

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058744.D
 Acq On : 14 Oct 2019 12:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 15 03:07:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	438349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	697588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	649606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	326553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	314852	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
35) Dibromofluoromethane	7.57	113	230664	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	10.08	98	898005	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.41	95	336430	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	284338	52.082	ug/l	99
3) Chloromethane	2.04	50	315025	48.526	ug/l	98
4) Vinyl Chloride	2.17	62	305181	47.200	ug/l	100
5) Bromomethane	2.54	94	187715	47.724	ug/l	99
6) Chloroethane	2.68	64	193799	48.593	ug/l	98
7) Trichlorofluoromethane	3.00	101	382042	49.371	ug/l	98
8) Diethyl Ether	3.39	74	139297	48.721	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	222990	50.540	ug/l	97
10) Methyl Iodide	3.93	142	293834	48.802	ug/l	99
11) Tert butyl alcohol	4.76	59	236656	238.116	ug/l	100
12) 1,1-Dichloroethene	3.71	96	208886	49.620	ug/l	97
13) Acrolein	3.58	56	168619	210.953	ug/l	97
14) Allyl chloride	4.30	41	419875	49.423	ug/l	99
15) Acrylonitrile	4.95	53	622405	248.329	ug/l	100
16) Acetone	3.79	43	666030	262.154	ug/l	99
17) Carbon Disulfide	4.03	76	662250	49.214	ug/l	100
18) Methyl Acetate	4.30	43	310072	48.114	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	758720	50.473	ug/l	97
20) Methylene Chloride	4.52	84	249953	47.074	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	235900	50.097	ug/l	97
22) Diisopropyl ether	5.92	45	841135	50.922	ug/l	99
23) Vinyl Acetate	5.87	43	3589660	269.323	ug/l	100
24) 1,1-Dichloroethane	5.82	63	474947	50.486	ug/l	99
25) 2-Butanone	6.81	43	912143	248.393	ug/l	100
26) 2,2-Dichloropropane	6.80	77	417634	48.632	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	267788	48.767	ug/l	99
28) Bromochloromethane	7.17	49	168492	51.482	ug/l	96
29) Tetrahydrofuran	7.19	42	580763	244.730	ug/l	100
30) Chloroform	7.35	83	469437	49.666	ug/l	100
31) Cyclohexane	7.63	56	428523	47.607	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	413041	51.241	ug/l	100
36) 1,1-Dichloropropene	7.77	75	356657	50.567	ug/l	100
37) Ethyl Acetate	6.91	43	363928	51.020	ug/l	99
38) Carbon Tetrachloride	7.75	117	358648	52.175	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	415294	50.743	ug/l	97
40) Benzene	8.02	78	1035949	51.142	ug/l	100
41) Methacrylonitrile	7.18	41	537867	161.086	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	397421	51.068	ug/l	99
43) Isopropyl Acetate	8.15	43	600075	49.383	ug/l	100
44) Trichloroethene	8.82	130	251405	49.978	ug/l	99
45) 1,2-Dichloropropane	9.11	63	280890	51.799	ug/l	98
46) Dibromomethane	9.20	93	177376	51.592	ug/l	99
47) Bromodichloromethane	9.39	83	370869	52.974	ug/l	99
48) Methyl methacrylate	9.19	41	280299	50.888	ug/l	99
49) 1,4-Dioxane	9.19	88	95411	1119.667	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1850315	271.132	ug/l	99
52) Toluene	10.15	92	643622	51.950	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	426240	53.083	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	448091	52.559	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	251610	49.619	ug/l	99
56) Ethyl methacrylate	10.43	69	394954	53.314	ug/l	100
57) 1,3-Dichloropropane	10.70	76	441206	51.059	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	924292	258.896	ug/l	100
59) 2-Hexanone	10.75	43	1415127	268.325	ug/l	99
60) Dibromochloromethane	10.90	129	277377	53.026	ug/l	100
61) 1,2-Dibromoethane	11.00	107	258904	50.964	ug/l	100
64) Tetrachloroethene	10.63	164	224119	49.299	ug/l	95
65) Chlorobenzene	11.43	112	673575	51.059	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	251485	51.554	ug/l	99
67) Ethyl Benzene	11.51	91	1252583	53.265	ug/l	100
68) m/p-Xylenes	11.62	106	934427	105.885	ug/l	99
69) o-Xylene	11.95	106	436154	51.082	ug/l	99
70) Styrene	11.97	104	744397	53.193	ug/l	99
71) Bromoform	12.13	173	188814	52.806	ug/l #	100
73) Isopropylbenzene	12.25	105	1216015	51.418	ug/l	100
74) N-amyl acetate	12.07	43	546494	51.450	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	381380	48.952	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	515934	72.020	ug/l #	100
77) Bromobenzene	12.53	156	284085	49.385	ug/l	100
78) n-propylbenzene	12.59	91	1460188	52.986	ug/l	100
79) 2-Chlorotoluene	12.68	91	850445	49.720	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1051283	52.068	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	133249	49.824	ug/l	97
82) 4-Chlorotoluene	12.78	91	903983	51.503	ug/l	99
83) tert-Butylbenzene	13.00	119	880052	50.879	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1065203	53.143	ug/l	99
85) sec-Butylbenzene	13.18	105	1211091	53.138	ug/l	99
86) p-Isopropyltoluene	13.29	119	1104427	53.317	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	535685	50.495	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	525976	48.764	ug/l	99
89) n-Butylbenzene	13.62	91	1013878	52.934	ug/l	100
90) Hexachloroethane	13.88	117	193448	52.192	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	519253	50.220	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	83539	45.898	ug/l	96

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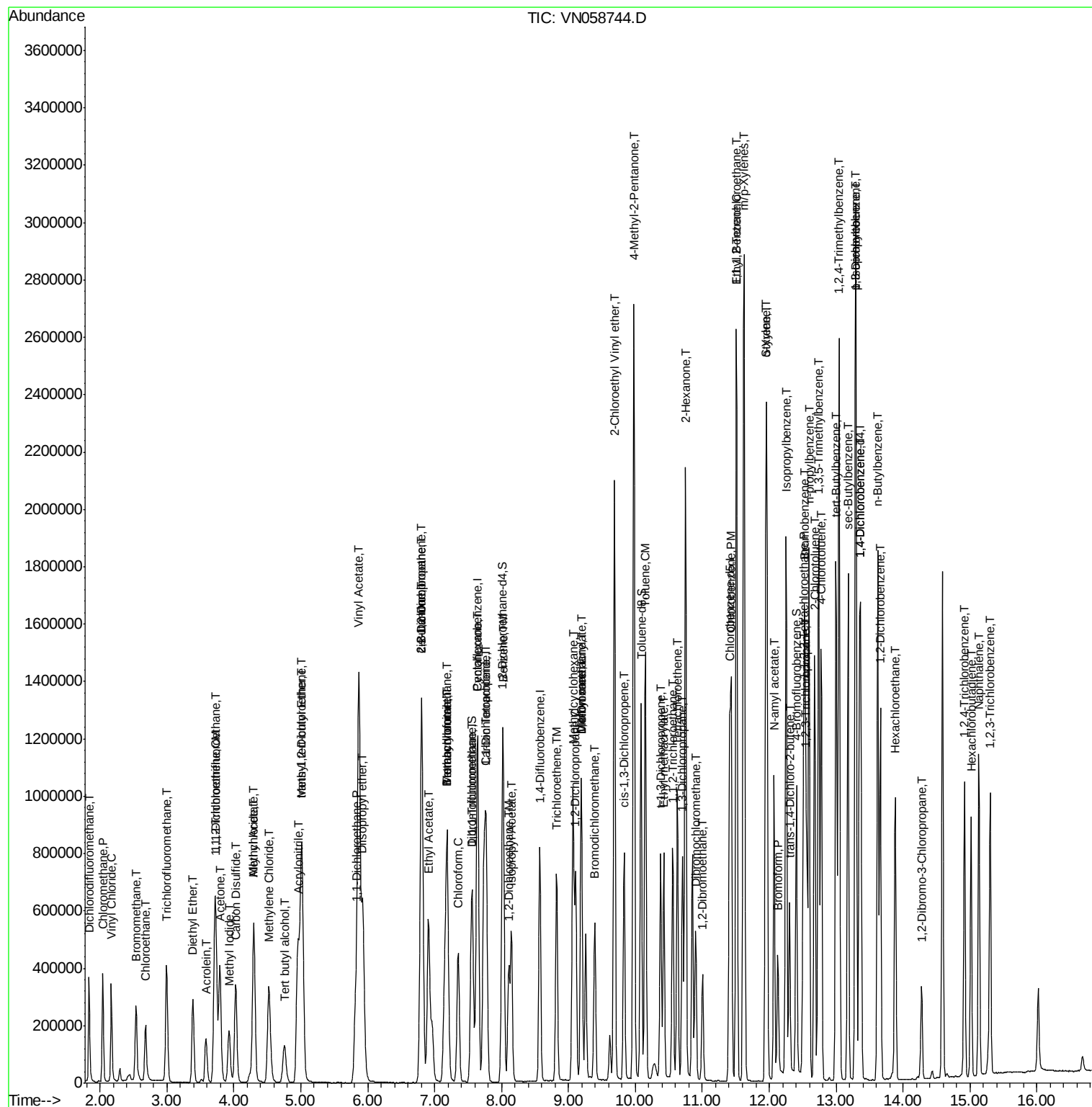
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	312991	49.624	ug/l	99
94) Hexachlorobutadiene	15.02	225	162437	48.905	ug/l	98
95) Naphthalene	15.13	128	865987	47.774	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	294050	47.752	ug/l	99

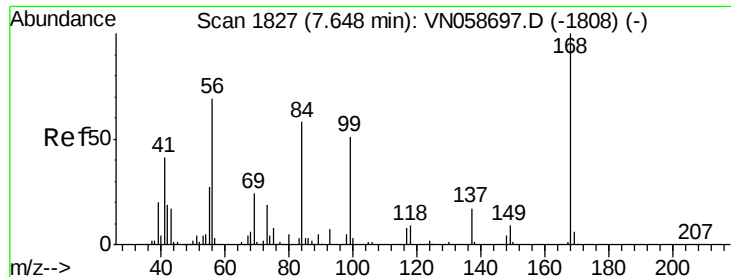
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

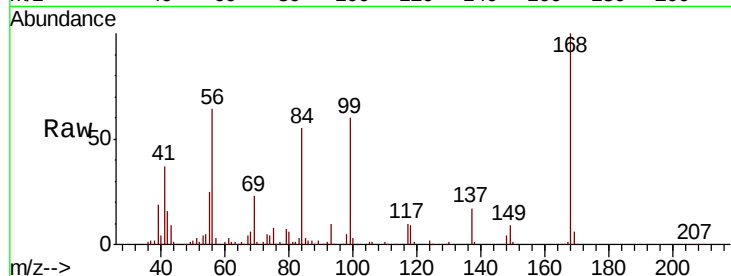
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 438349

Ion Ratio Lower Upper

168 100

99 59.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

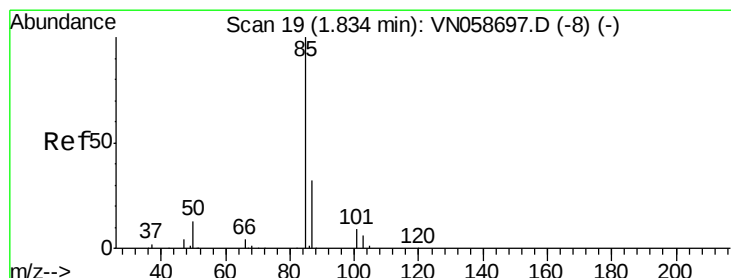
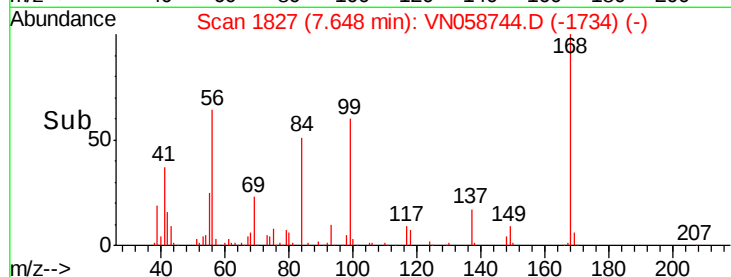
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 52.082 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058744.D

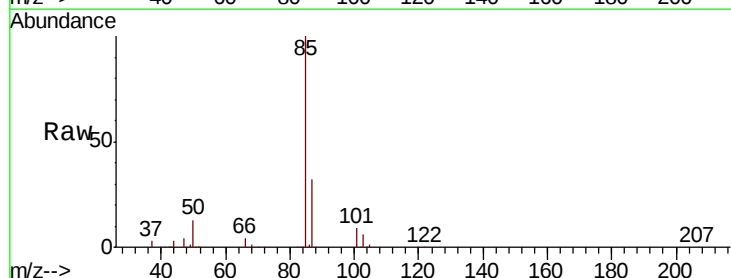
Acq: 14 Oct 2019 12:45

Tgt Ion: 85 Resp: 284338

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

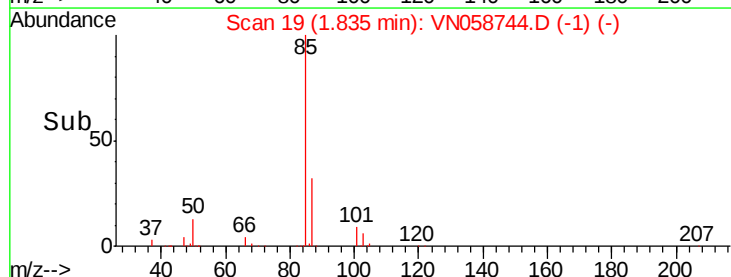
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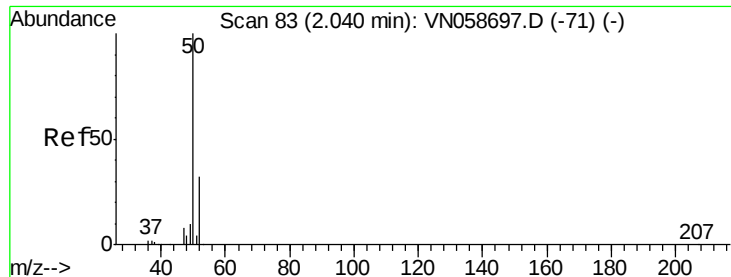
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 48.526 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

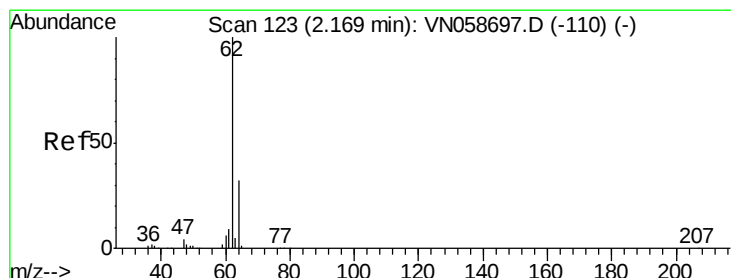
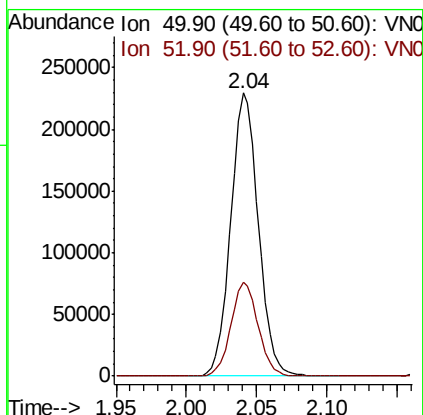
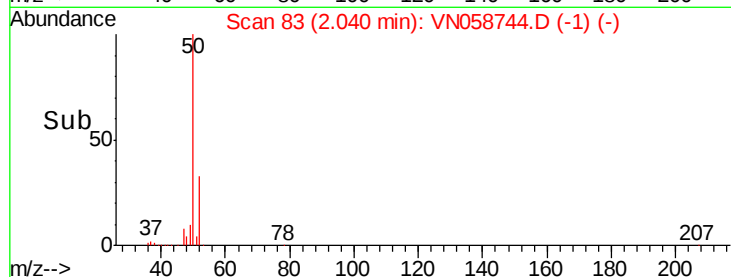
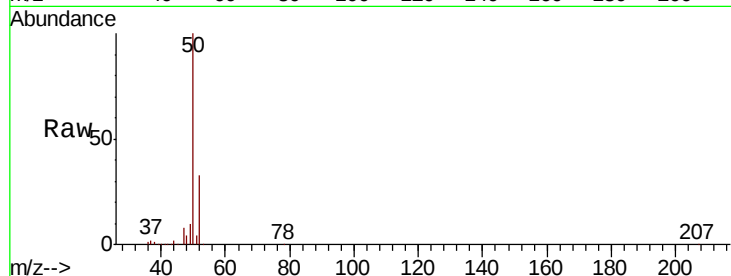
VSTDCCC050

Tot Ion: 50 Resp: 315025

Ion Ratio Lower Upper

50 100

52 33.2 25.8 38.6



#4

Vinyl Chloride

Concen: 47.200 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058744.D

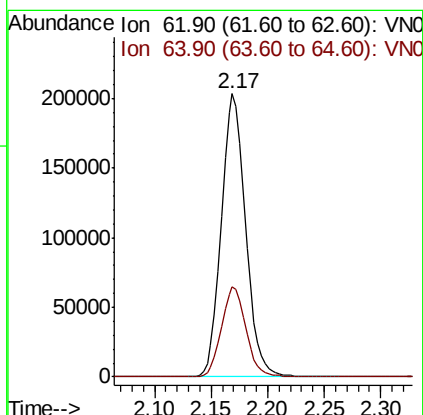
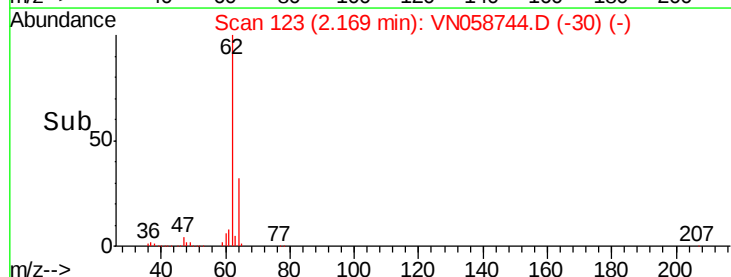
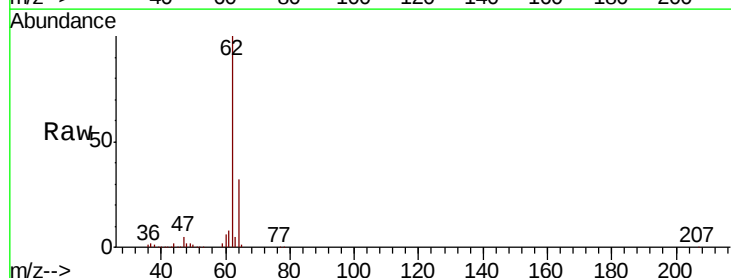
Acq: 14 Oct 2019 12:45

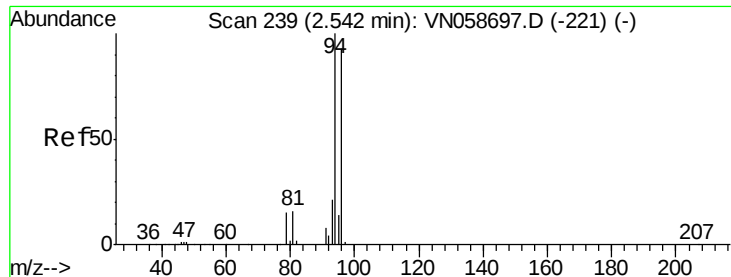
Tgt Ion: 62 Resp: 305181

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 47.724 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

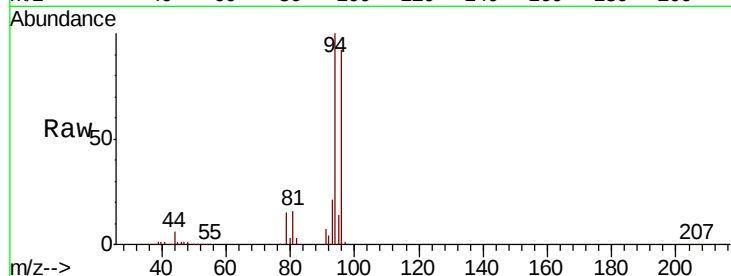
VSTDCCC050

Tot Ion: 94 Resp: 187715

Ion Ratio Lower Upper

94 100

96 92.2 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

100000

80000

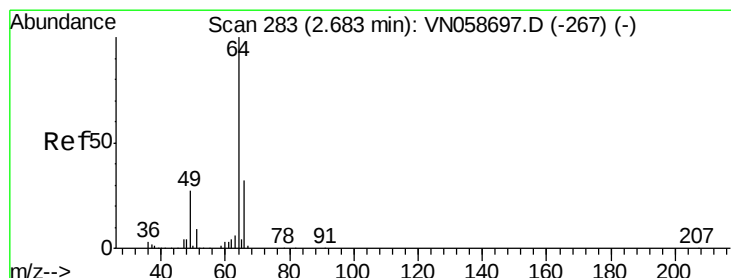
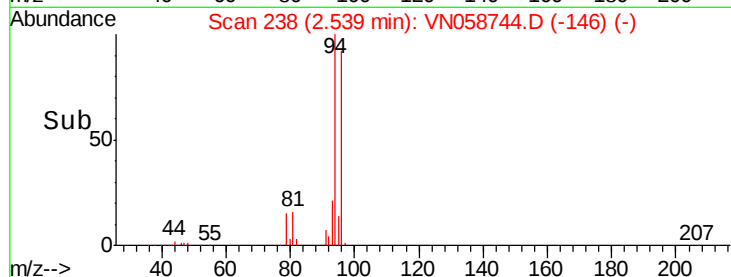
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 48.593 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058744.D

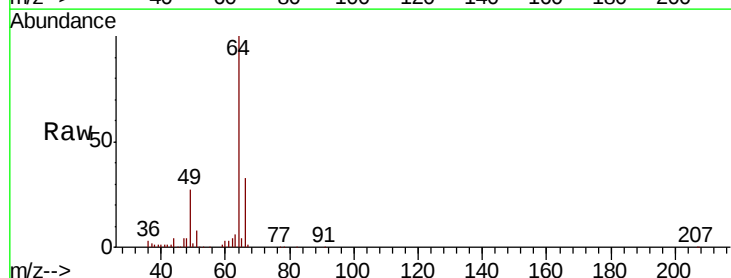
Acq: 14 Oct 2019 12:45

Tgt Ion: 64 Resp: 193799

Ion Ratio Lower Upper

64 100

66 33.0 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

100000

80000

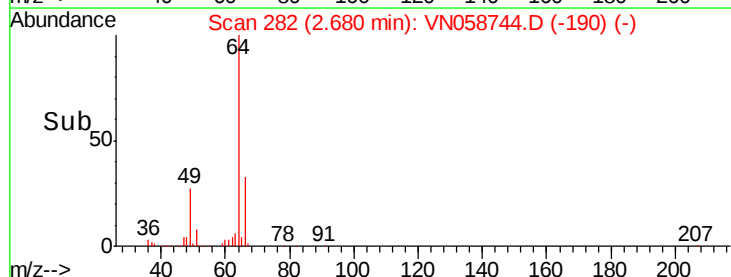
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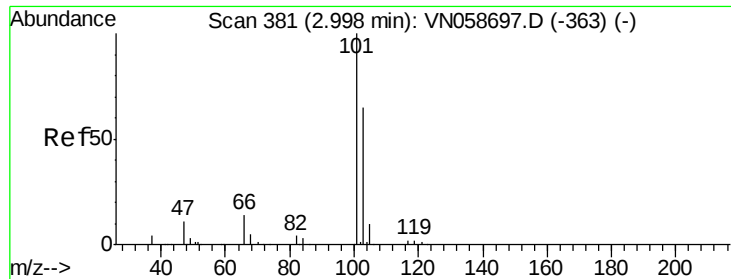
40000

20000

0

Time-->



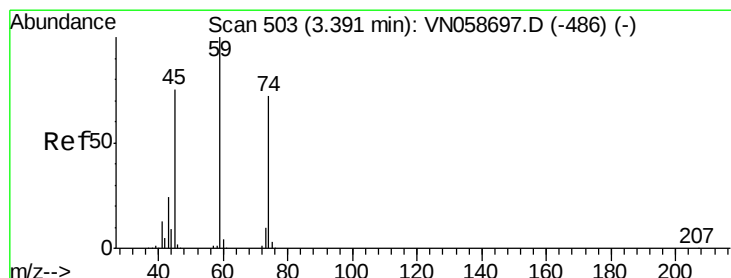
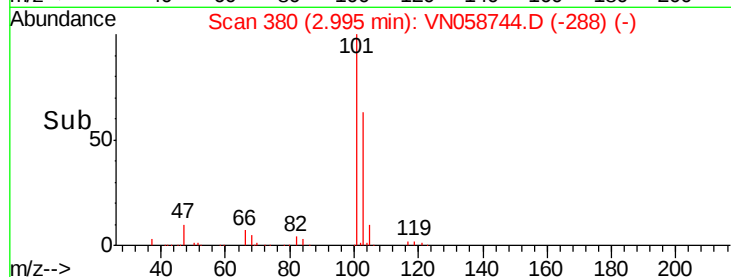
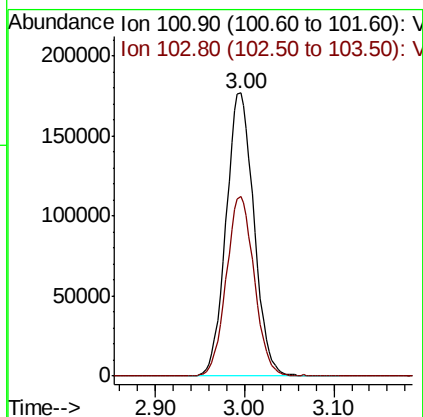
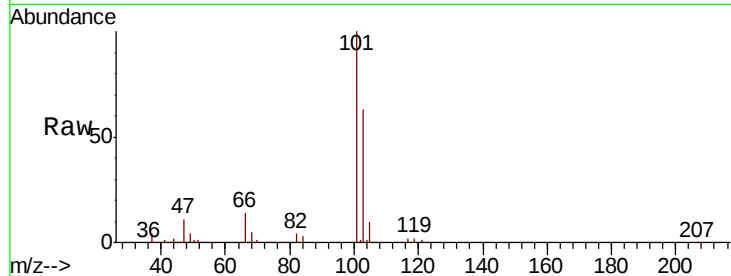


#7

Trichlorofluoromethane
Concen: 49.371 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
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VSTDCCC050

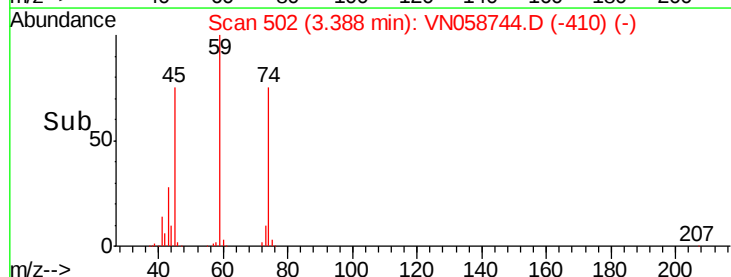
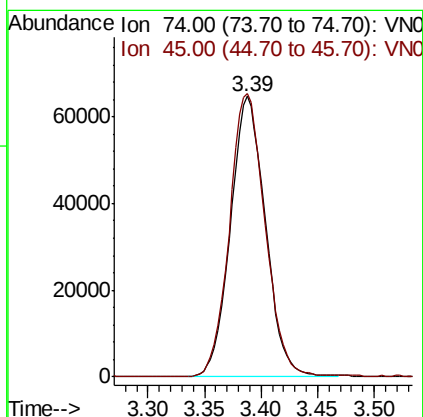
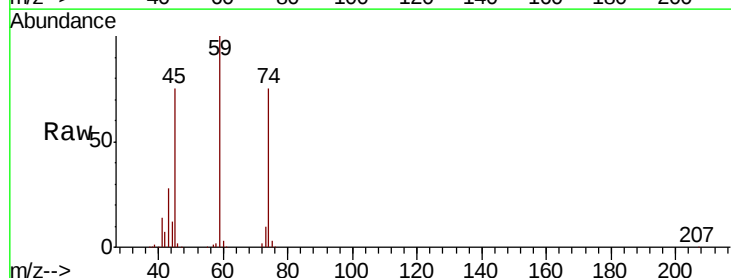
Tot Ion:101 Resp: 382042
Ion Ratio Lower Upper
101 100
103 63.3 51.8 77.6

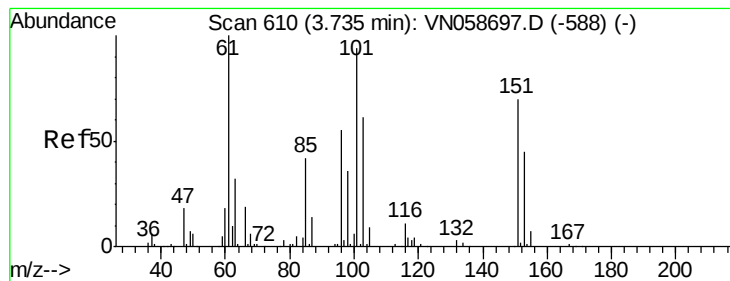


#8

Diethyl Ether
Concen: 48.721 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 74 Resp: 139297
Ion Ratio Lower Upper
74 100
45 103.1 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.540 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

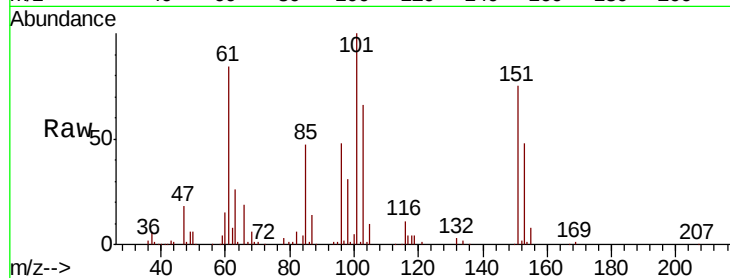
Tot Ion:101 Resp: 222990

Ion Ratio Lower Upper

101 100

85 45.3 37.0 55.6

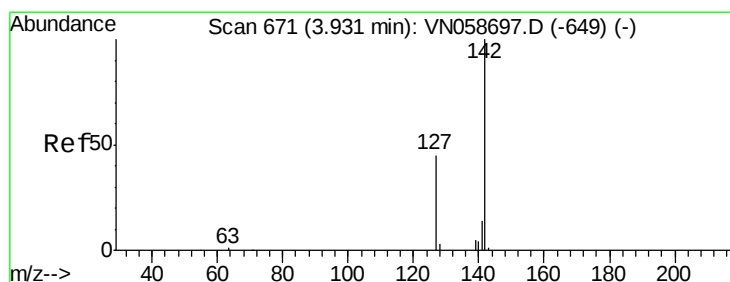
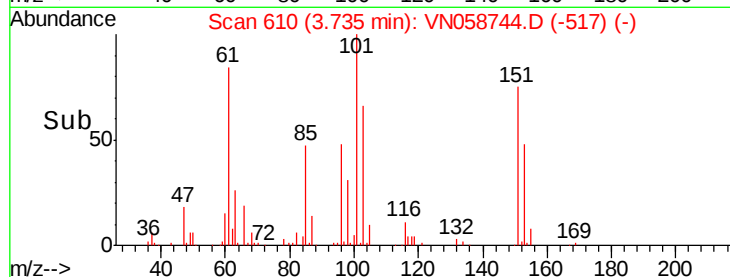
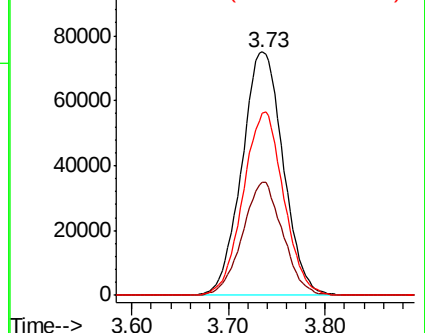
151 74.0 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.802 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

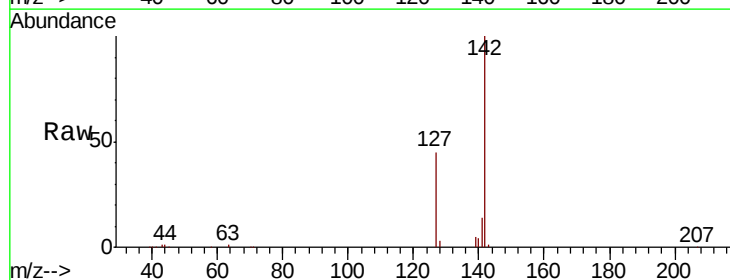
Tgt Ion:142 Resp: 293834

Ion Ratio Lower Upper

142 100

127 46.0 36.4 54.6

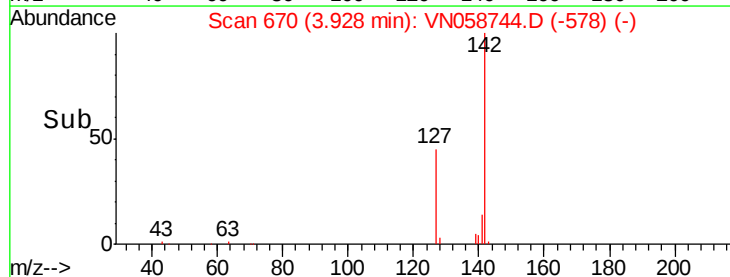
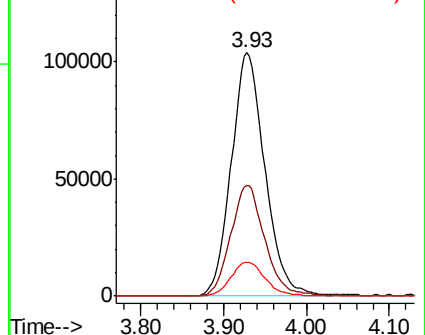
141 14.4 11.1 16.7

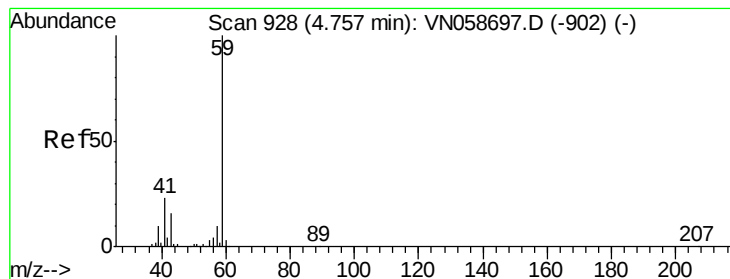


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



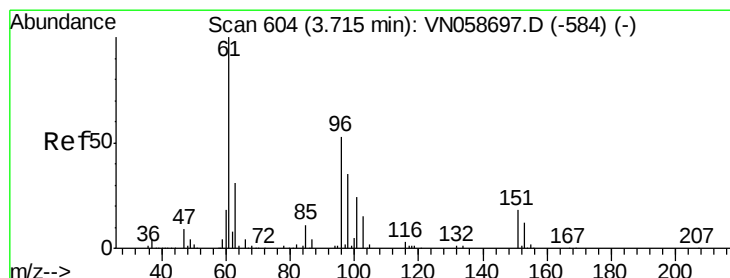
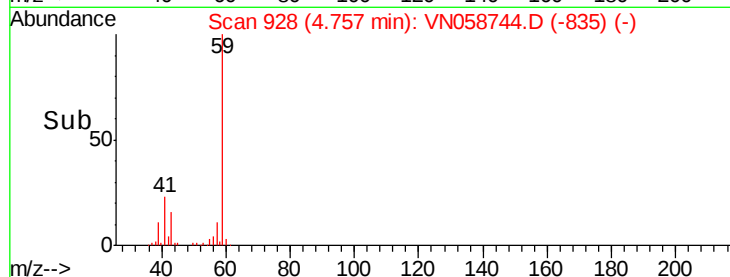
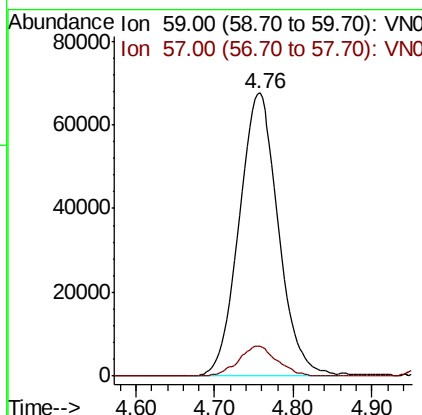
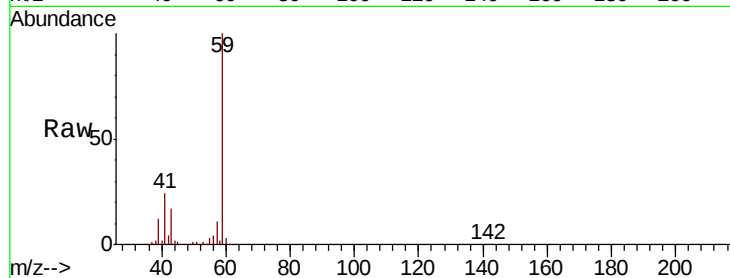


#11

Tert butyl alcohol
 Concen: 238.116 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

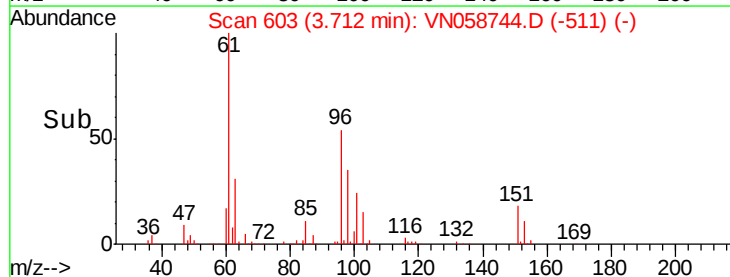
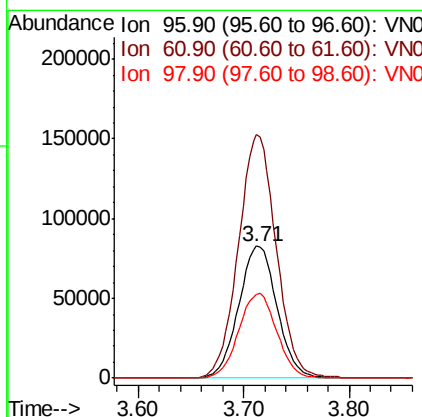
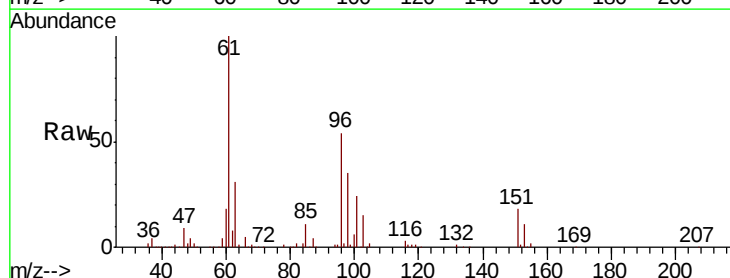
Tot Ion: 59 Resp: 236656
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

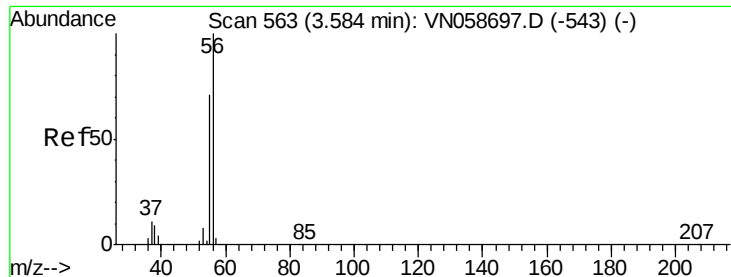


#12

1,1-Dichloroethene
 Concen: 49.620 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Tgt Ion: 96 Resp: 208886
 Ion Ratio Lower Upper
 96 100
 61 184.9 151.3 226.9
 98 63.9 52.6 78.8





#13

Acrolein

Concen: 210.953 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

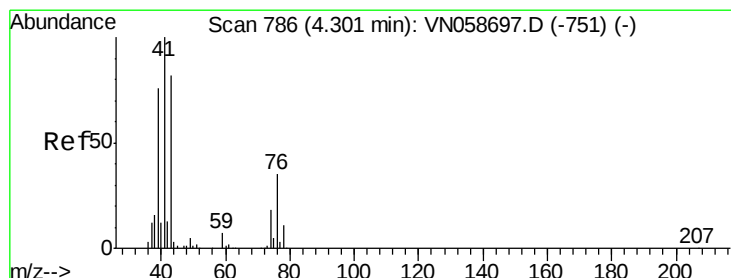
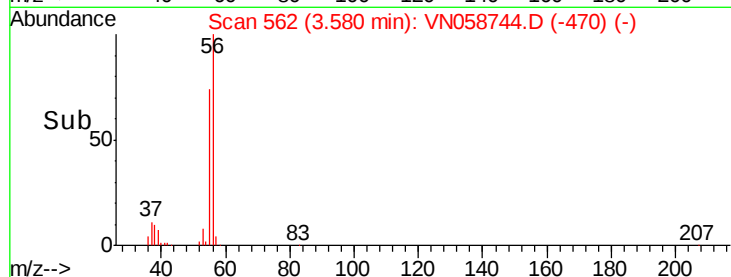
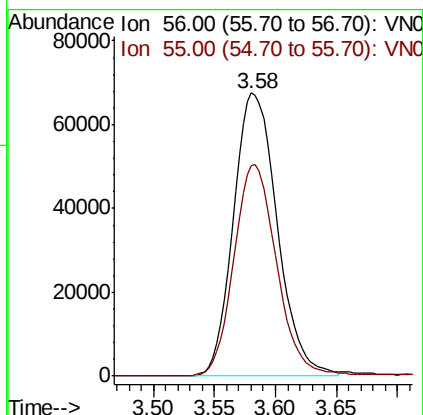
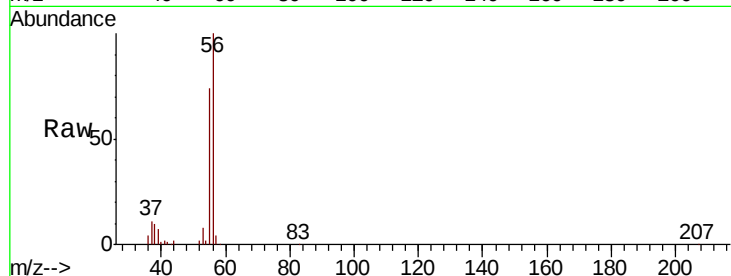
VSTDCCC050

Tot Ion: 56 Resp: 168619

Ion Ratio Lower Upper

56 100

55 73.4 56.7 85.1



#14

Allyl chloride

Concen: 49.423 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

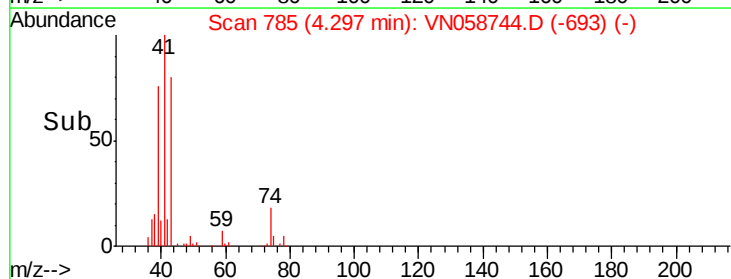
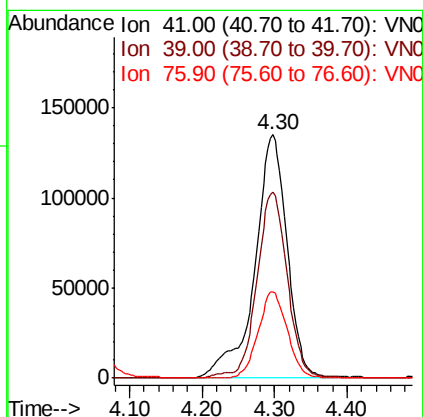
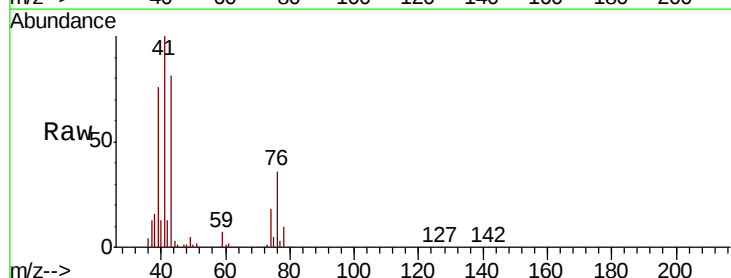
Tgt Ion: 41 Resp: 419875

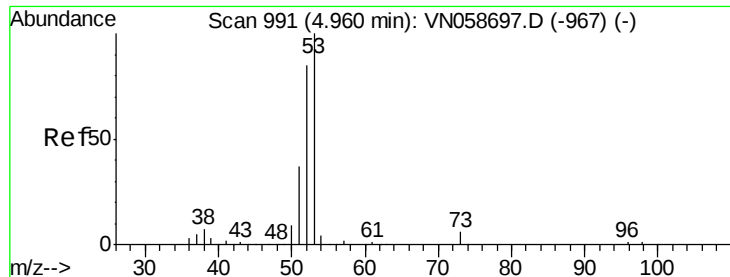
Ion Ratio Lower Upper

41 100

39 71.9 57.2 85.8

76 31.8 25.0 37.6





#15

Acrylonitrile

Concen: 248.329 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.01 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

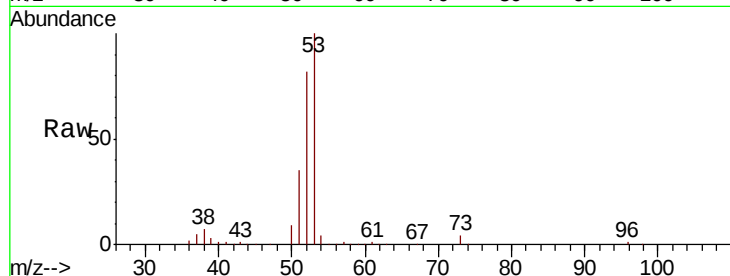
Tot Ion: 53 Resp: 622405

Ion Ratio Lower Upper

53 100

52 83.0 66.2 99.2

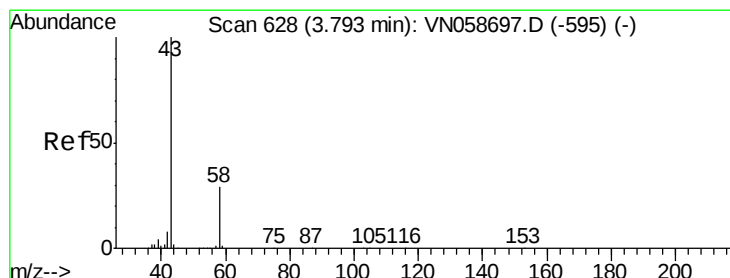
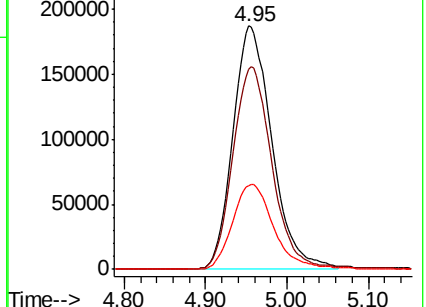
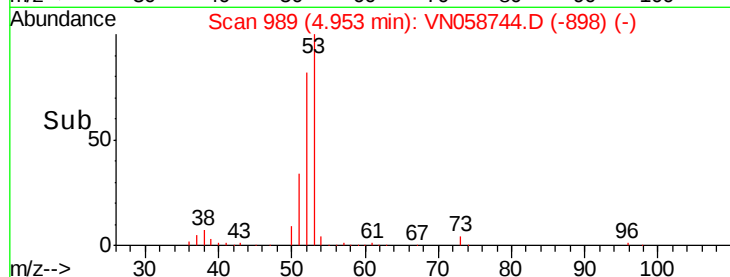
51 37.1 29.4 44.2



Abundance Ion 53.00 (52.70 to 53.70): VN058744.D (-989) (-)

Ion 52.00 (51.70 to 52.70): VN058744.D (-989) (-)

Ion 51.00 (50.70 to 51.70): VN058744.D (-989) (-)



#16

Acetone

Concen: 262.154 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN058744.D

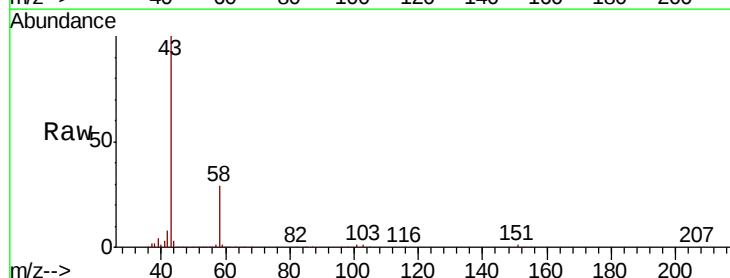
Acq: 14 Oct 2019 12:45

Tgt Ion: 43 Resp: 666030

Ion Ratio Lower Upper

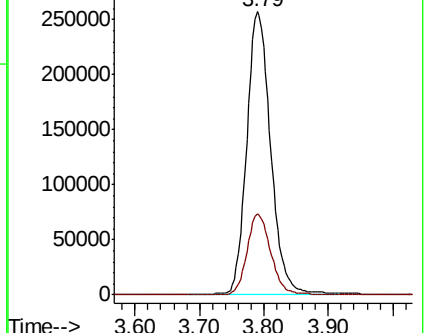
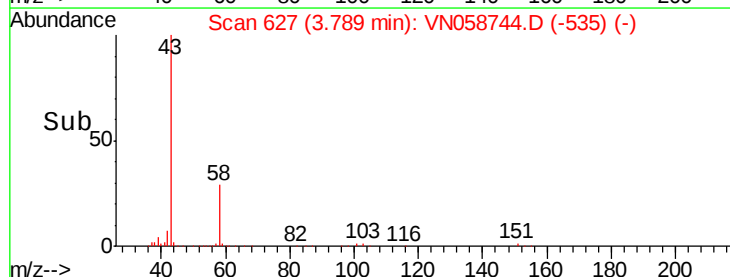
43 100

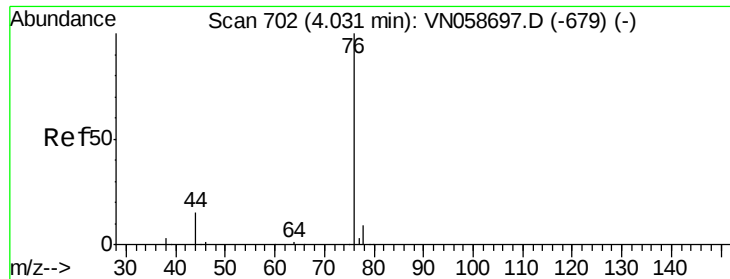
58 28.5 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN058744.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN058744.D (-535) (-)

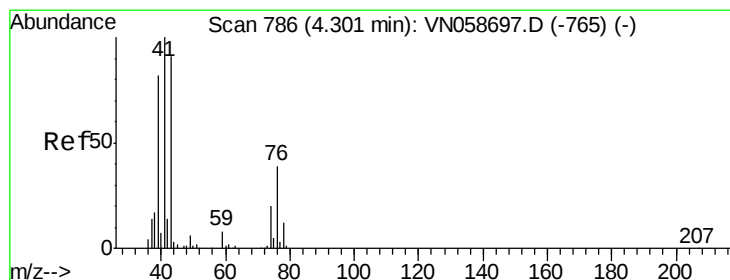
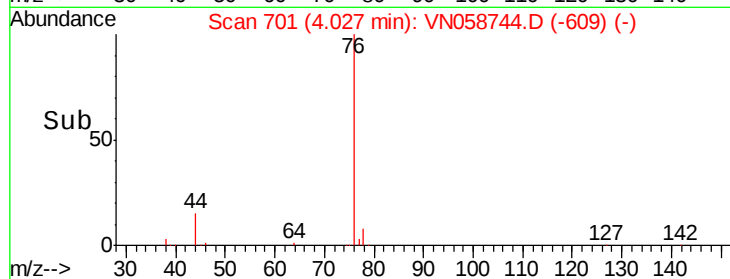
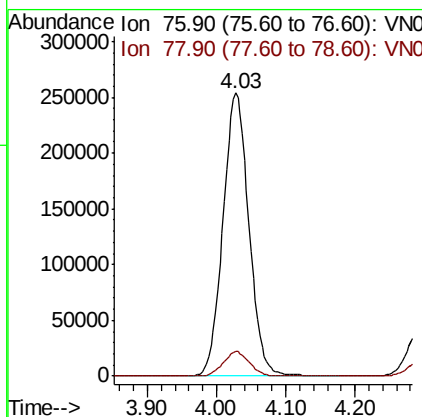
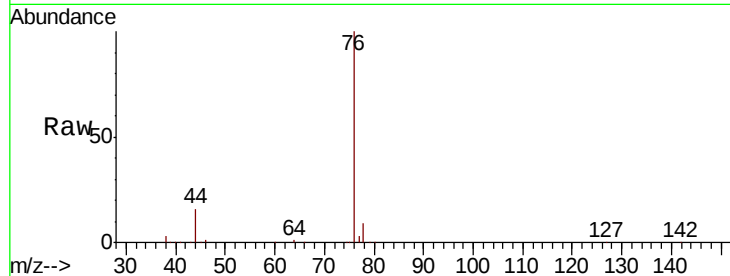




#17
Carbon Disulfide
Concen: 49.214 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

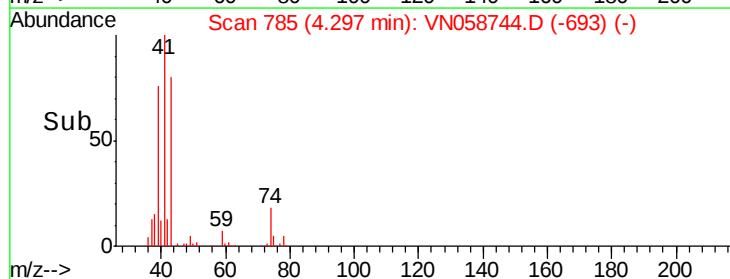
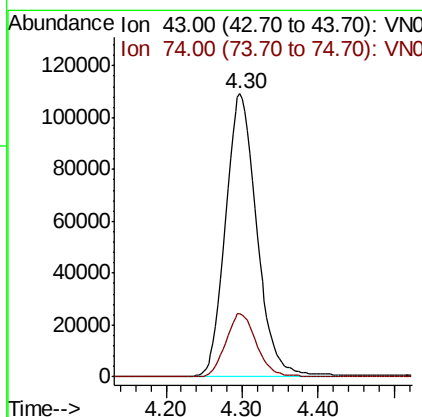
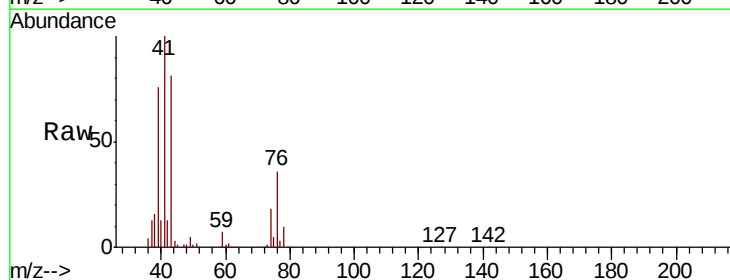
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

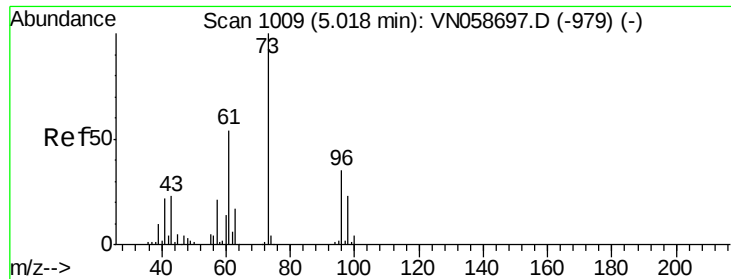
Tot Ion: 76 Resp: 662250
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 48.114 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 43 Resp: 310072
Ion Ratio Lower Upper
43 100
74 22.2 17.2 25.8

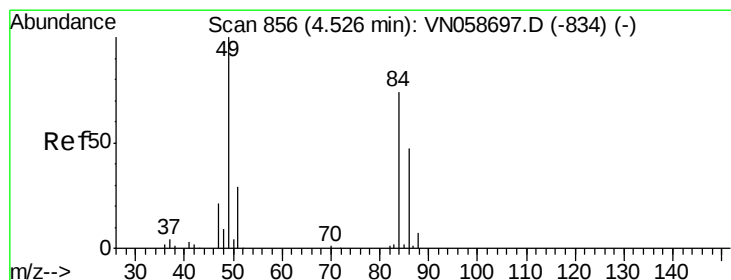
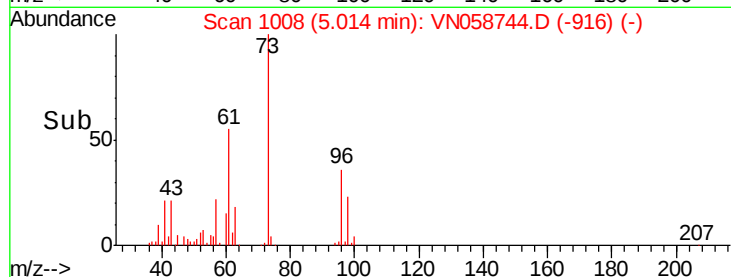
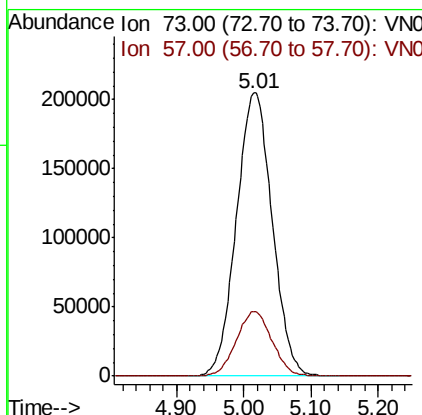
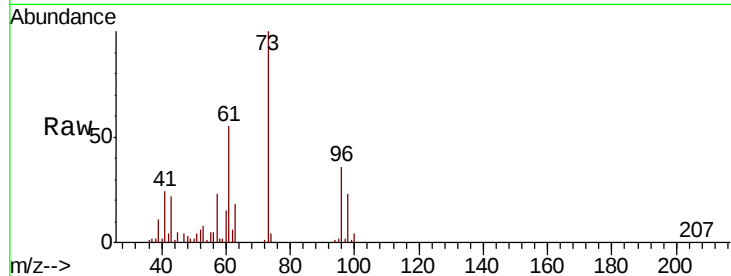




#19
Methvl tert-butvl Ether
Concen: 50.473 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

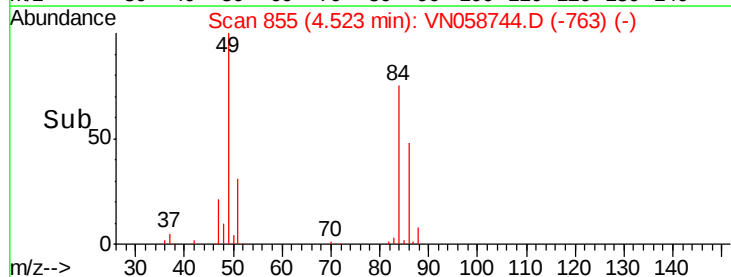
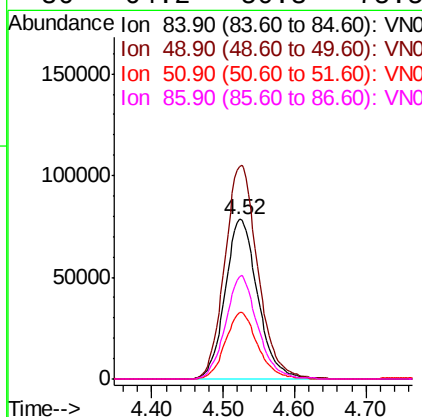
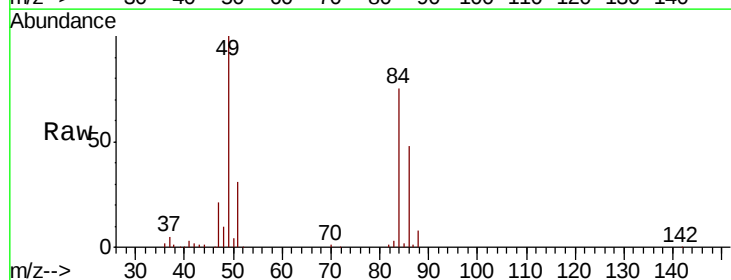
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

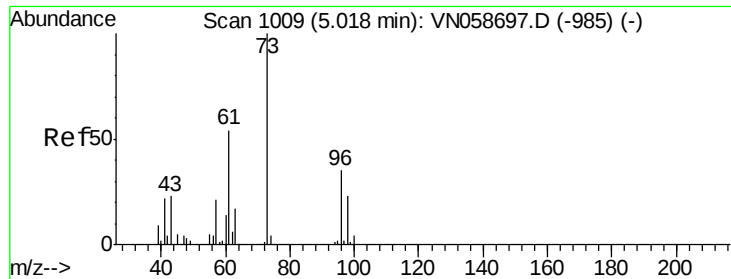
Tot Ion: 73 Resp: 758720
Ion Ratio Lower Upper
73 100
57 22.8 17.0 25.6



#20
Methylene Chloride
Concen: 47.074 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 84 Resp: 249953
Ion Ratio Lower Upper
84 100
49 132.9 107.6 161.4
51 41.7 31.4 47.0
86 64.2 50.3 75.5

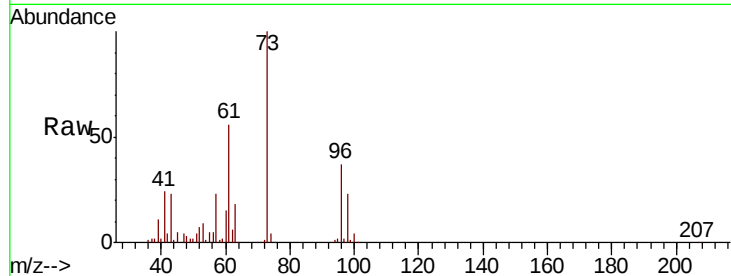




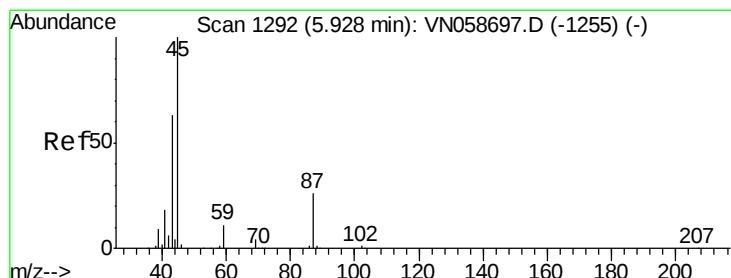
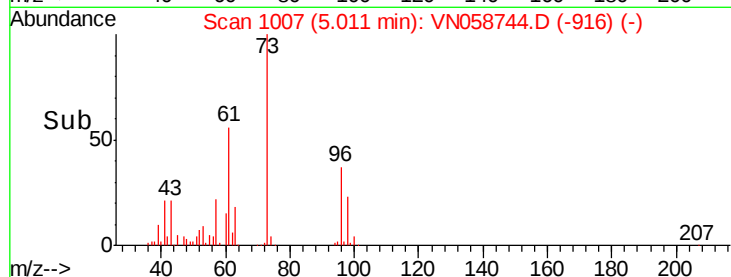
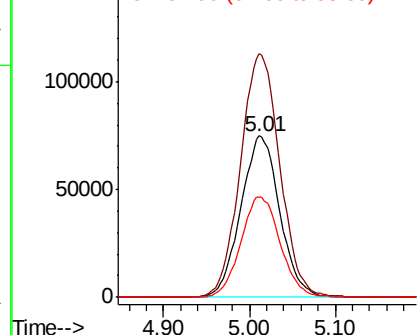
#21
trans-1,2-Dichloroethene
Concen: 50.097 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 235900
Ion Ratio Lower Upper
96 100
61 151.0 123.6 185.4
98 62.5 52.1 78.1

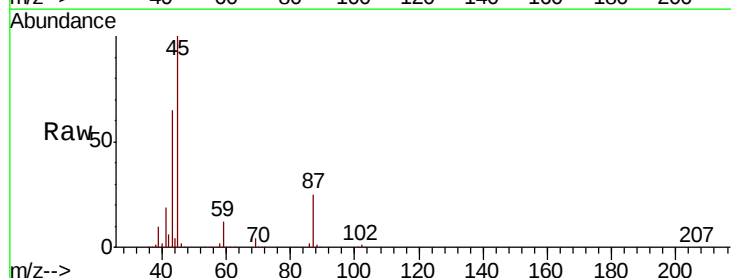


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

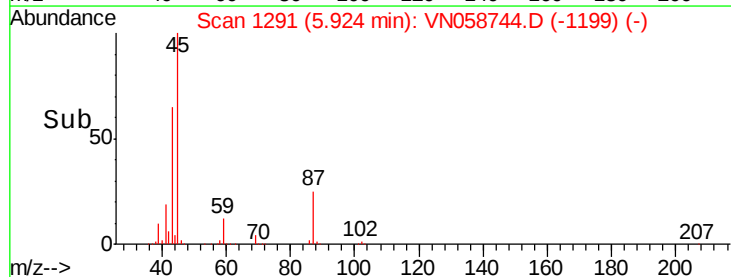
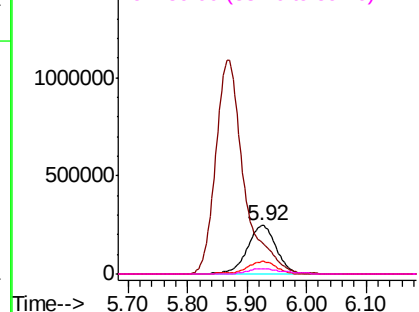


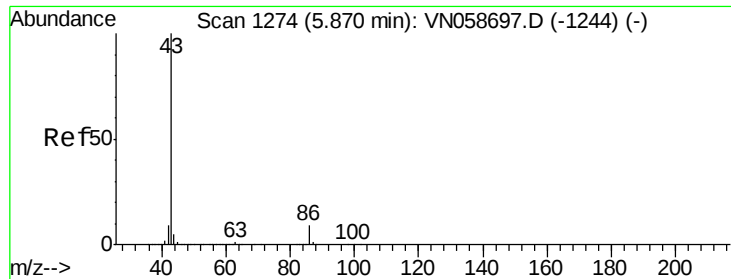
#22
Diisopropyl ether
Concen: 50.922 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 45 Resp: 841135
Ion Ratio Lower Upper
45 100
43 64.0 50.6 75.8
87 25.3 21.1 31.7
59 11.5 9.0 13.4



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





#23

Vinyl Acetate

Concen: 269.323 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

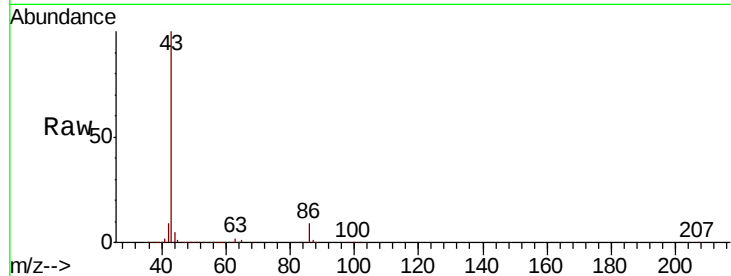
VSTDCCC050

Tot Ion: 43 Resp: 3589660

Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1244) (-)

Ion 86.00 (85.70 to 86.70): VN058697.D (-1244) (-)

5.87

1200000

1000000

800000

600000

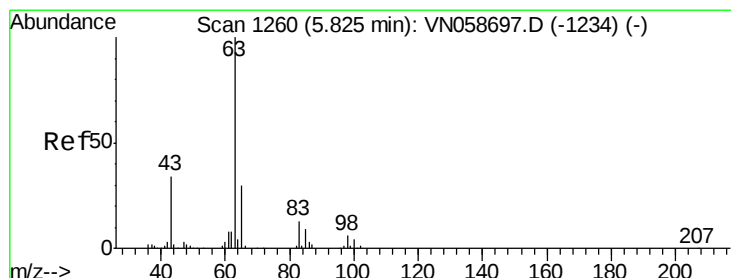
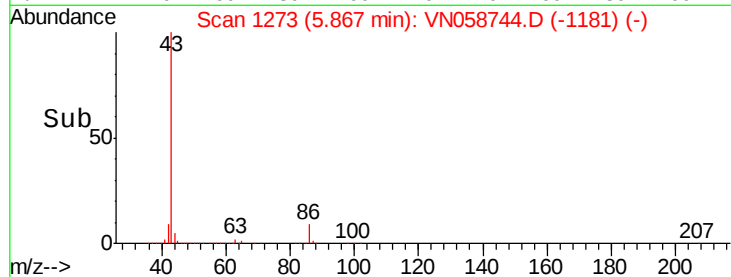
400000

200000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 50.486 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

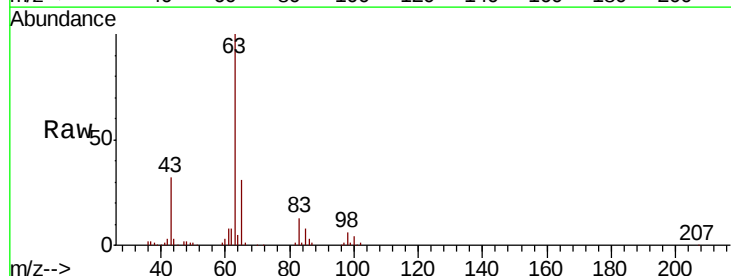
Tgt Ion: 63 Resp: 474947

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.9 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN058697.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN058697.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN058697.D (-1234) (-)

200000

150000

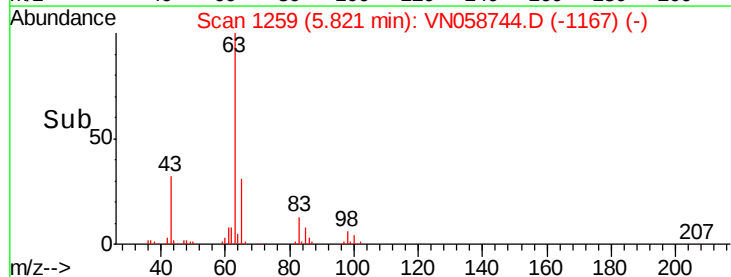
100000

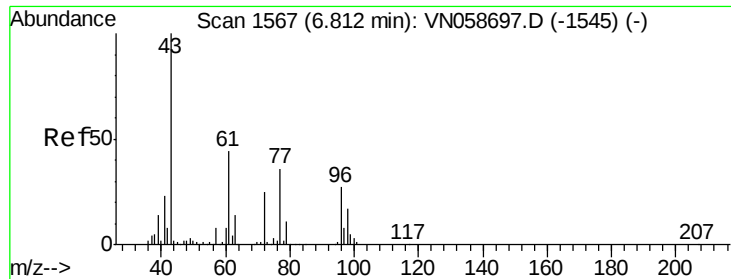
50000

0

Time-->

5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 248.393 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

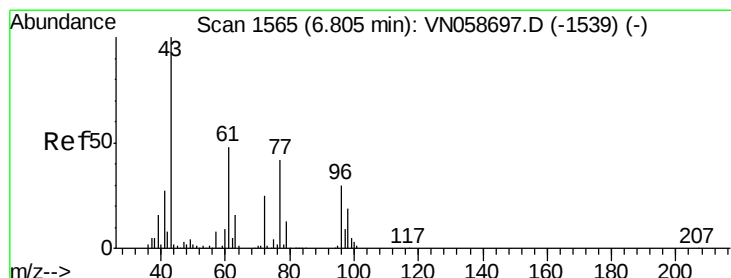
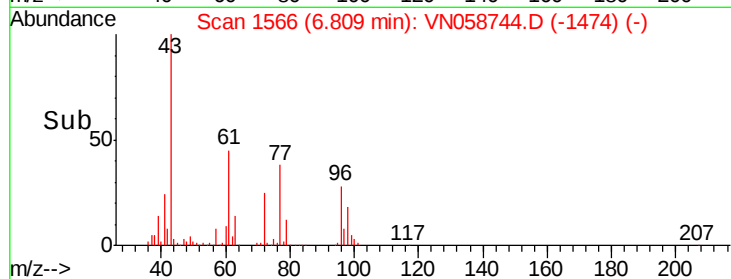
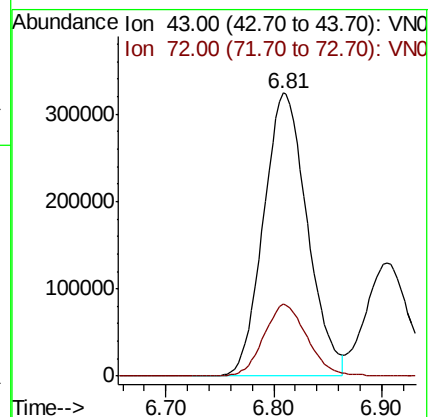
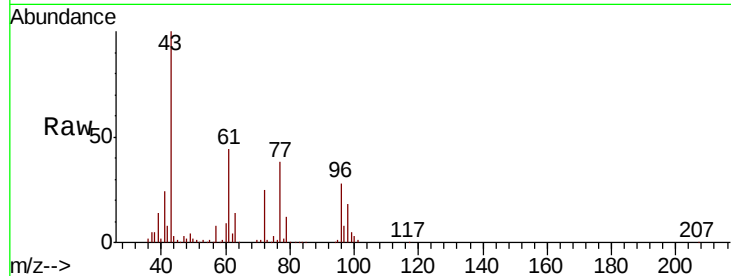
VSTDCCC050

Tot Ion: 43 Resp: 912143

Ion Ratio Lower Upper

43 100

72 25.4 20.2 30.2



#26

2,2-Dichloropropane

Concen: 48.632 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058744.D

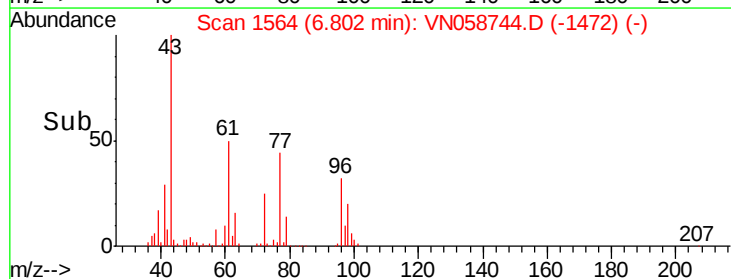
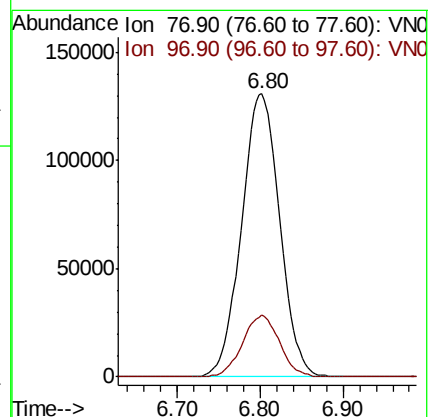
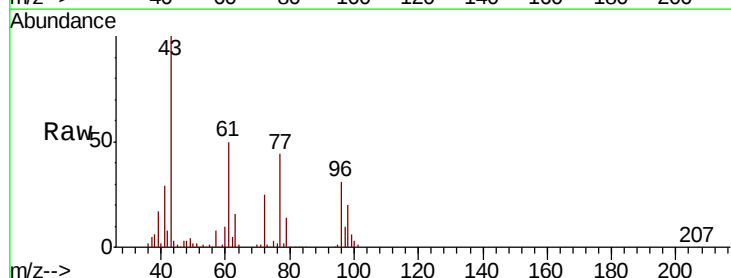
Acq: 14 Oct 2019 12:45

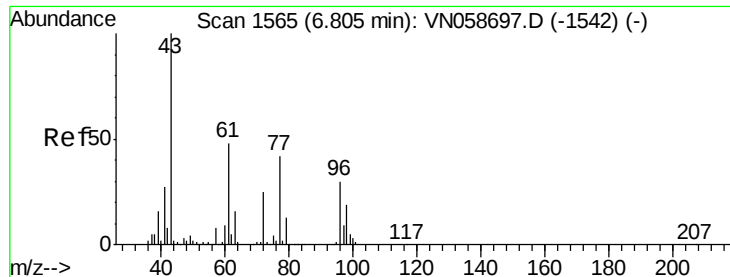
Tgt Ion: 77 Resp: 417634

Ion Ratio Lower Upper

77 100

97 21.2 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 48.767 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

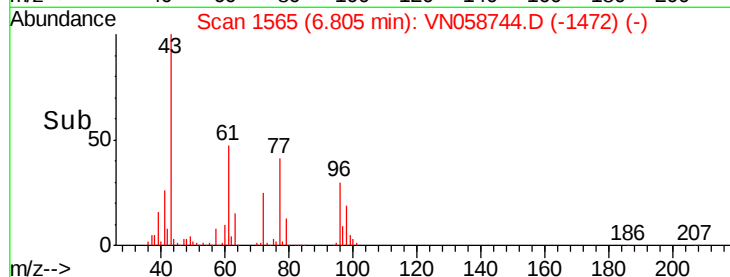
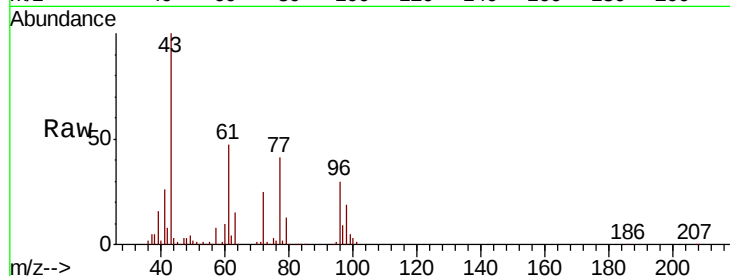
Tot Ion: 96 Resp: 267788

Ion Ratio Lower Upper

96 100

61 161.7 0.0 324.8

98 65.0 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

200000

150000

100000

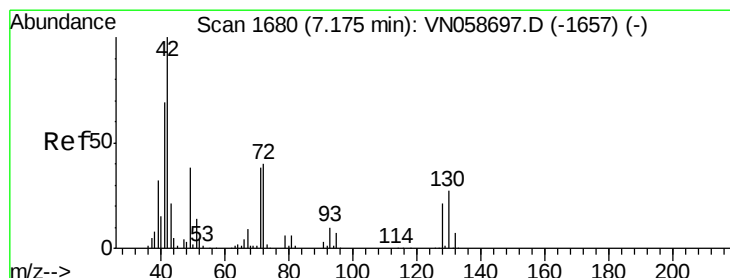
50000

0

6.81

6.70 6.80 6.90

Time-->



#28

Bromochloromethane

Concen: 51.482 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

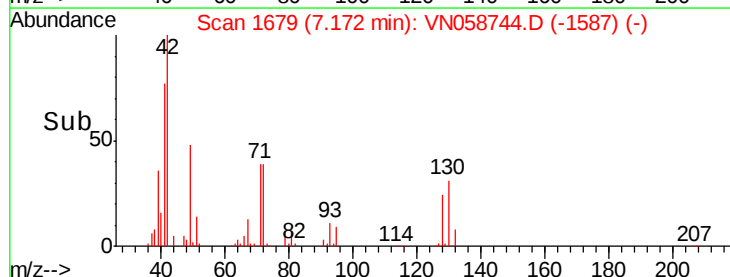
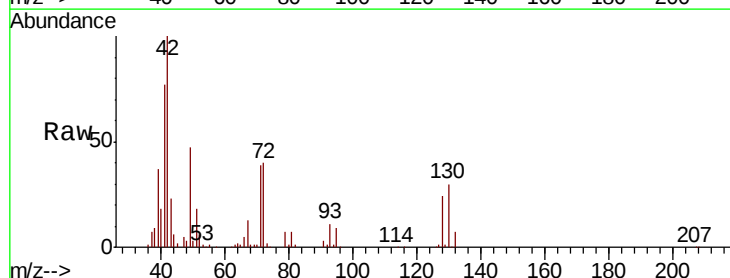
Tgt Ion: 49 Resp: 168492

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.6

130 65.8 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

80000

60000

40000

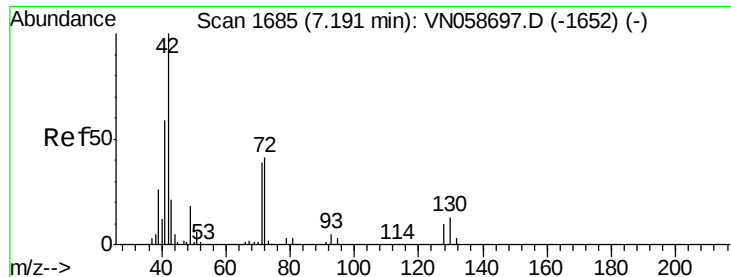
20000

0

7.17

7.10 7.20 7.30

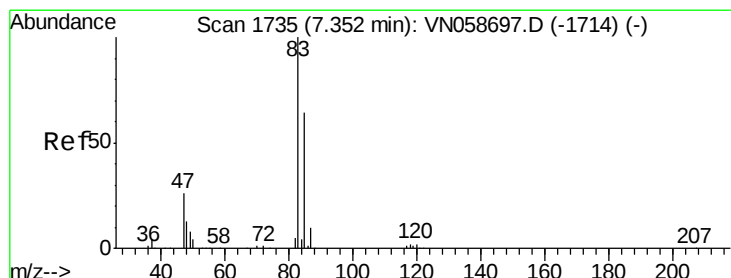
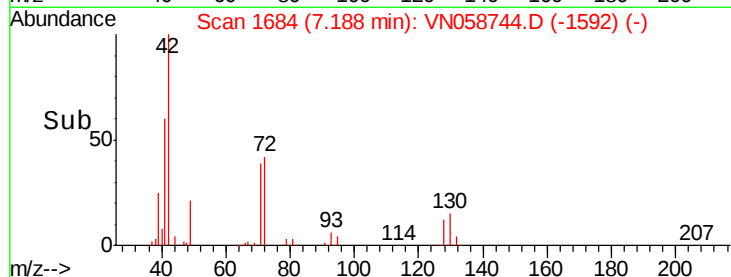
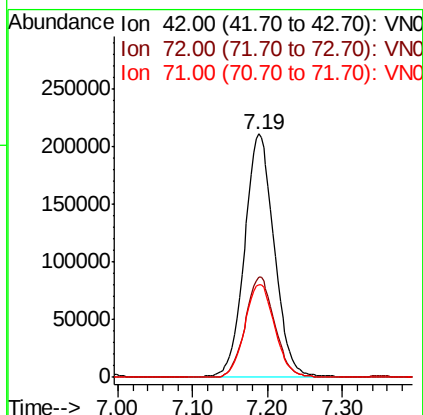
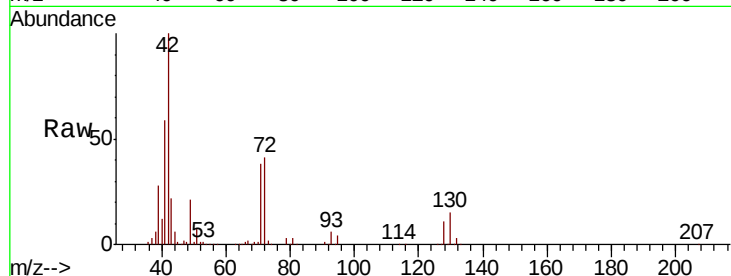
Time-->



#29
Tetrahydrofuran
Concen: 244.730 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

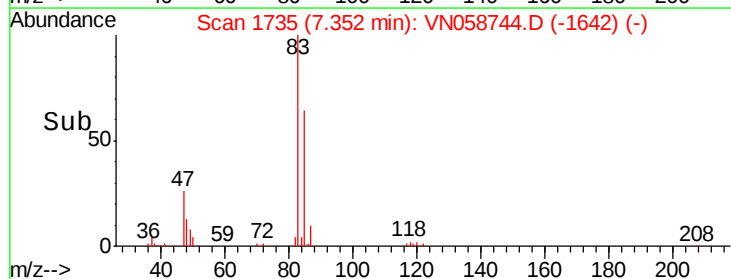
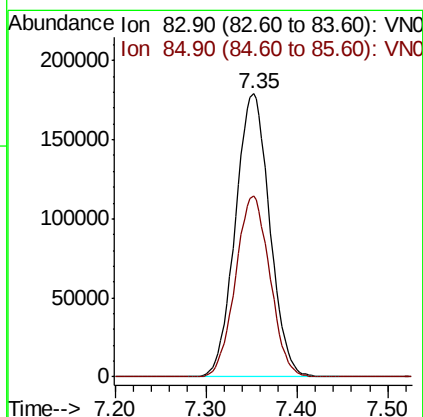
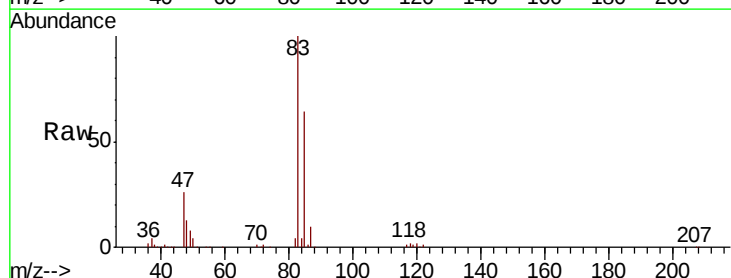
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

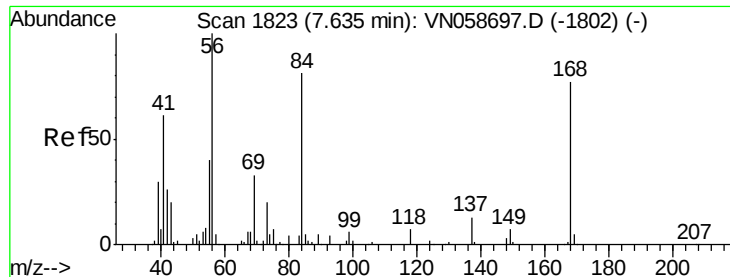
Tot Ion: 42 Resp: 580763
Ion Ratio Lower Upper
42 100
72 40.9 32.8 49.2
71 38.7 31.1 46.7



#30
Chloroform
Concen: 49.666 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 83 Resp: 469437
Ion Ratio Lower Upper
83 100
85 64.2 51.0 76.6

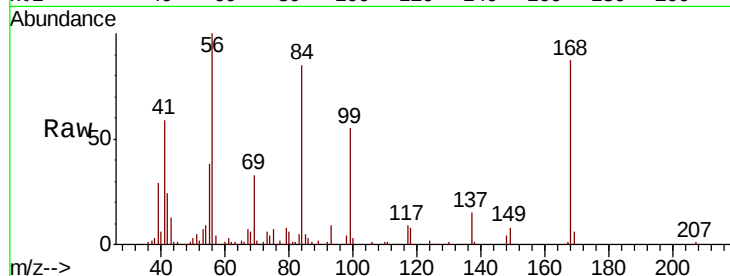




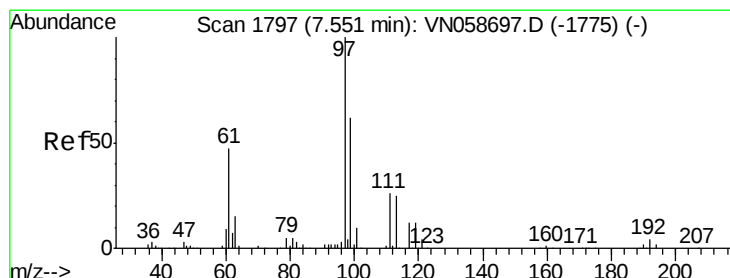
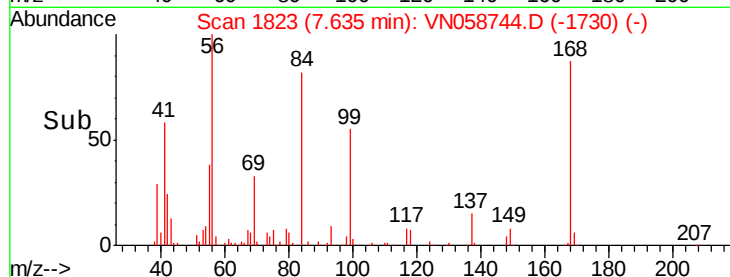
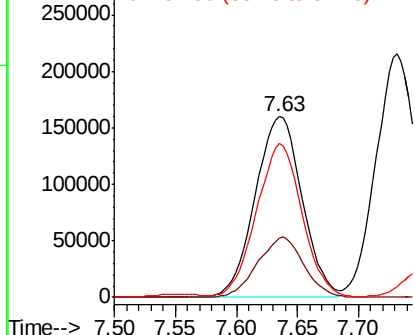
#31
Cvclohexane
Concen: 47.607 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 428523
Ion Ratio Lower Upper
56 100
69 32.7 26.2 39.4
84 83.5 64.9 97.3

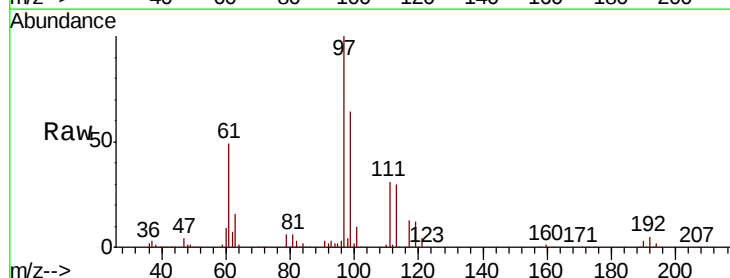


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

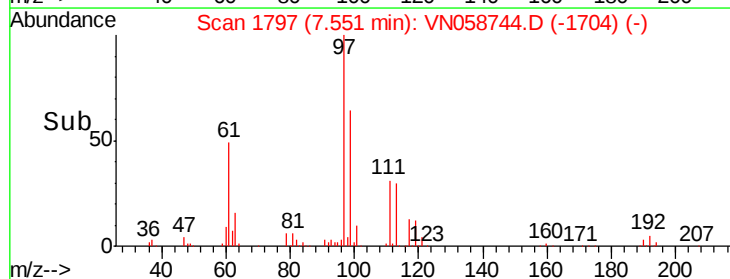
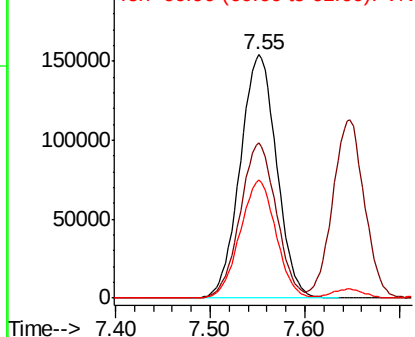


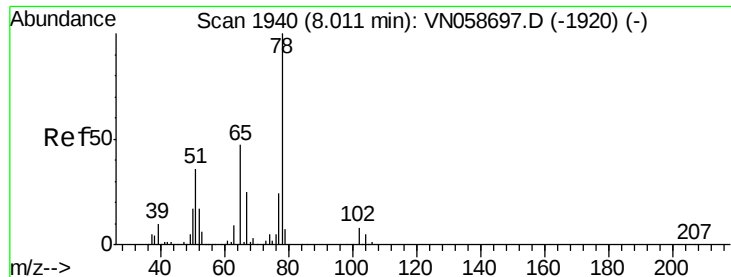
#32
1,1,1-Trichloroethane
Concen: 51.241 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 97 Resp: 413041
Ion Ratio Lower Upper
97 100
99 63.0 50.8 76.2
61 47.8 38.1 57.1



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





#33

1,2-Dichloroethane-d4

Concen: 51.305 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

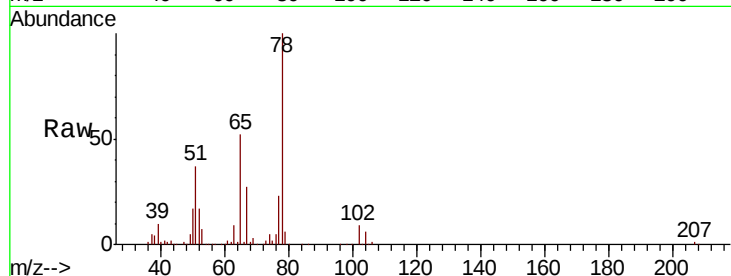
VSTDCCC050

Tot Ion: 65 Resp: 314852

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN058697.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN058697.D (-1920) (-)

8.01

150000

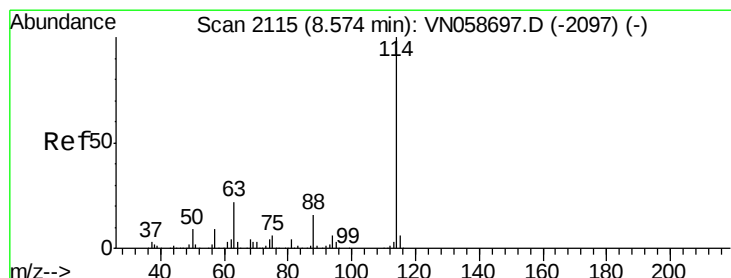
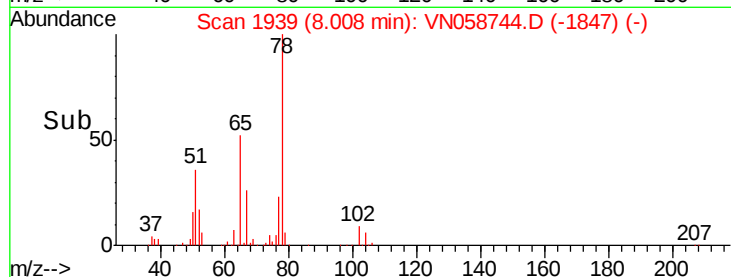
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

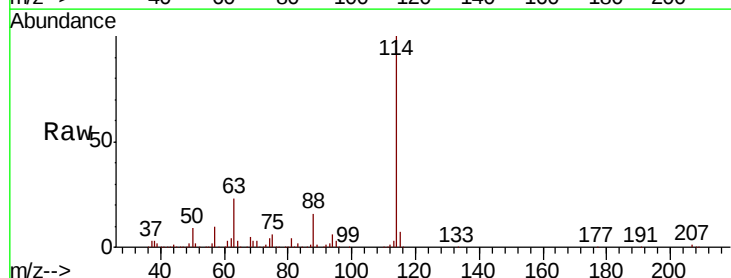
Tgt Ion: 114 Resp: 697588

Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.8

88 16.4 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VN058697.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058697.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058697.D (-2097) (-)

8.57

400000

300000

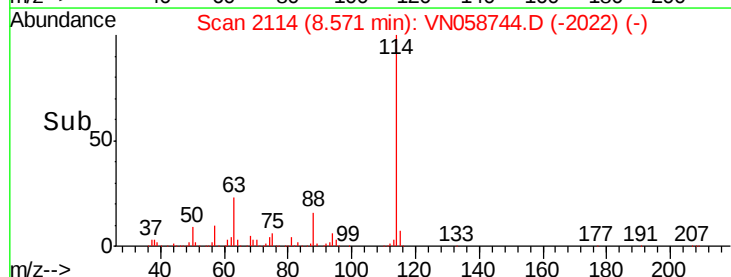
200000

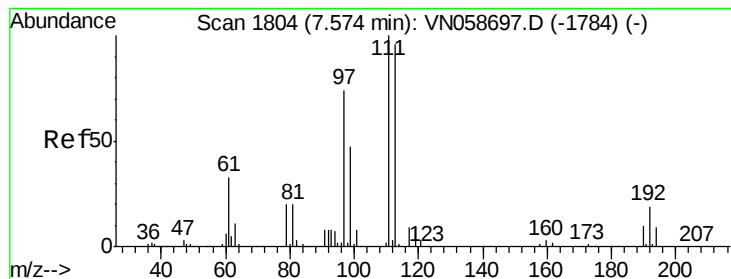
100000

0

8.50 8.60 8.70

Time-->





#35

Dibromofluoromethane

Concen: 53.533 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

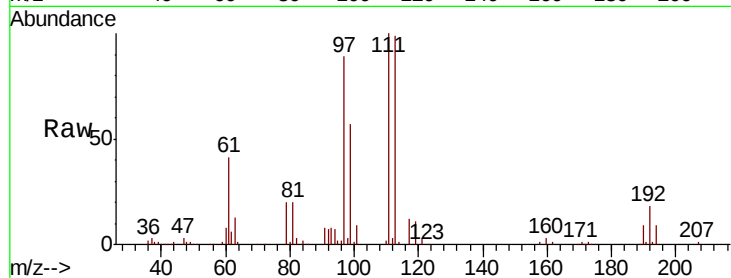
Tot Ion:113 Resp: 230664

Ion Ratio Lower Upper

113 100

111 101.9 82.3 123.5

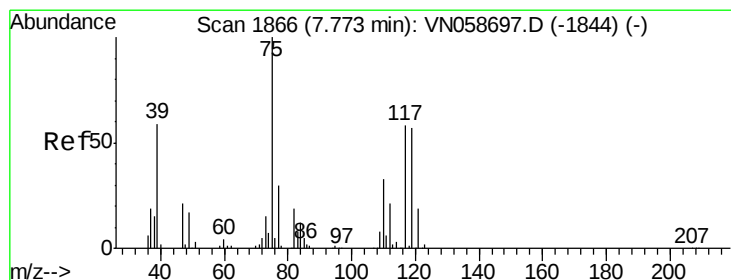
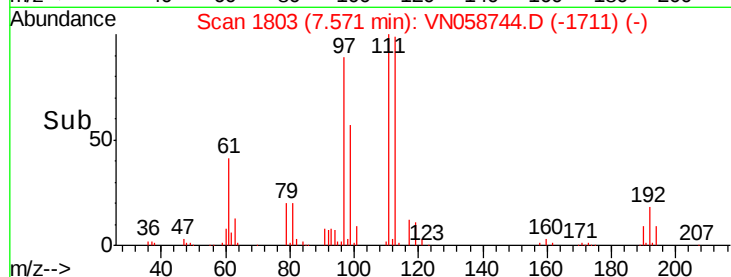
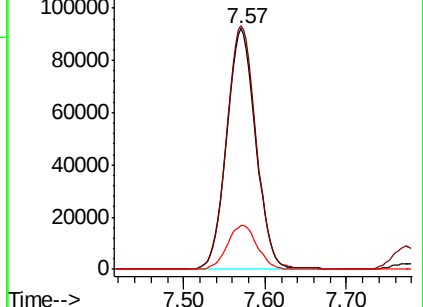
192 18.7 15.0 22.6



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: 50.567 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

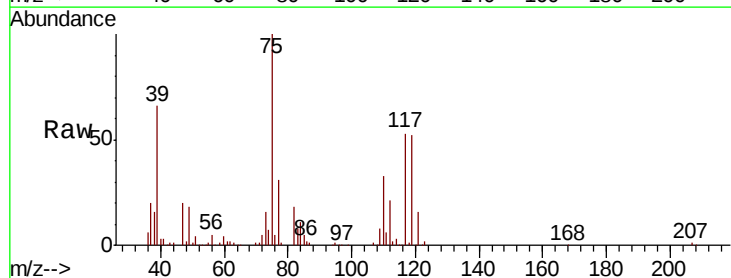
Tgt Ion: 75 Resp: 356657

Ion Ratio Lower Upper

75 100

110 33.0 16.6 49.8

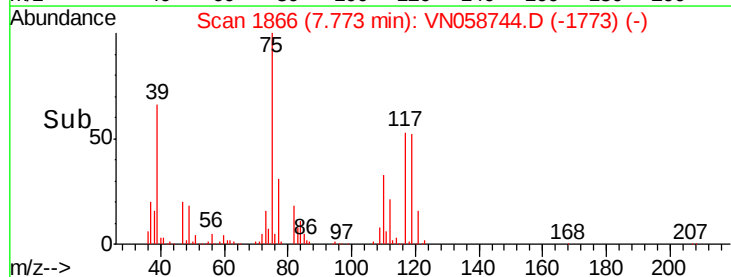
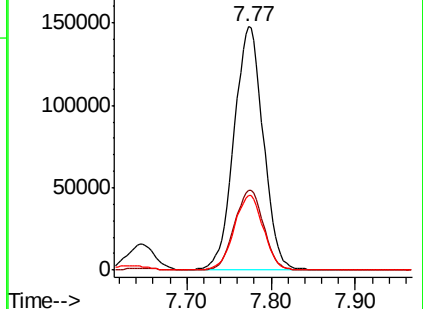
77 31.1 24.6 37.0

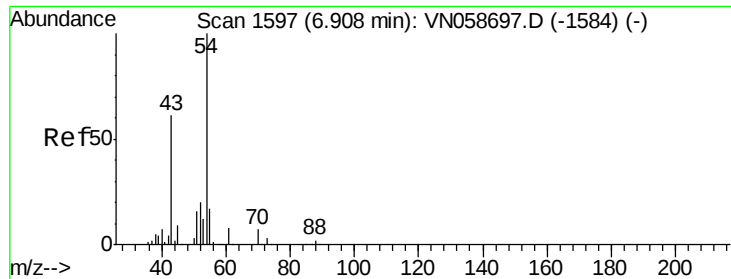


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

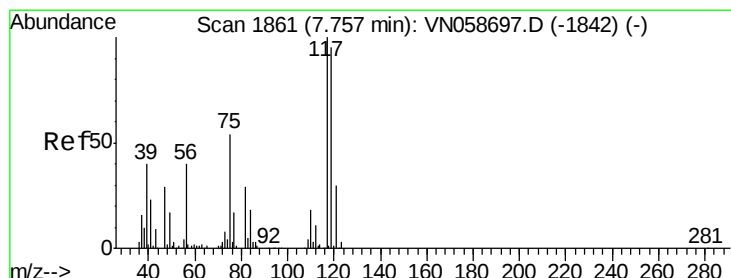
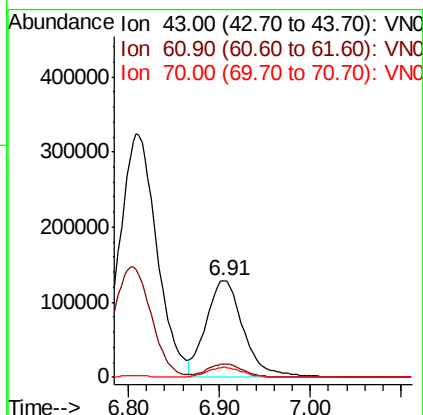
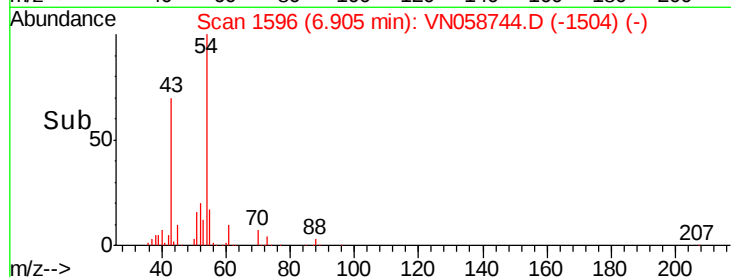
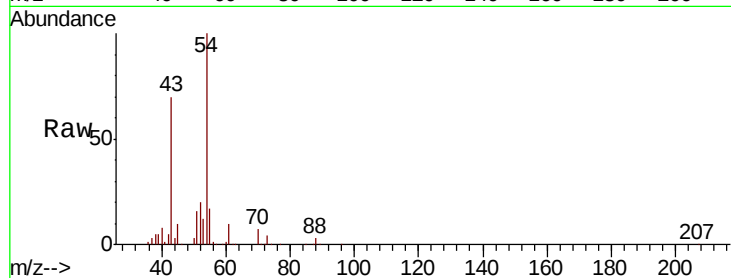




#37
Ethyl Acetate
Concen: 51.020 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

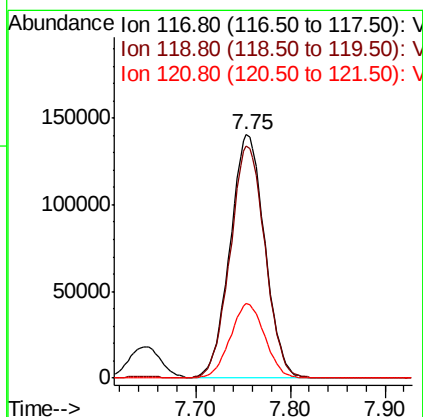
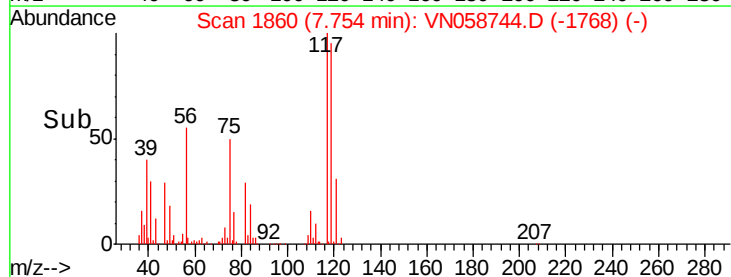
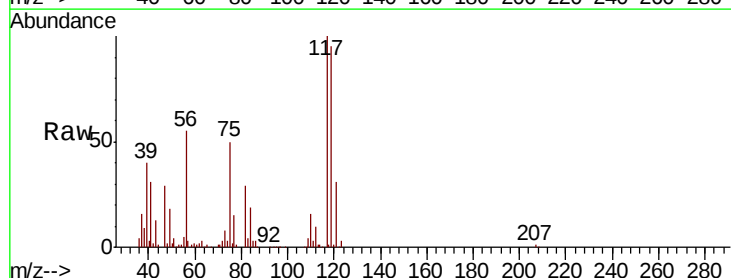
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

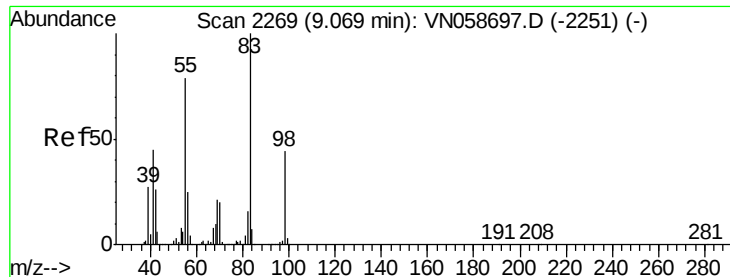
Tot Ion: 43 Resp: 363928
Ion Ratio Lower Upper
43 100
61 13.8 11.3 16.9
70 9.9 7.2 10.8



#38
Carbon Tetrachloride
Concen: 52.175 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 117 Resp: 358648
Ion Ratio Lower Upper
117 100
119 95.1 75.7 113.5
121 30.6 23.9 35.9

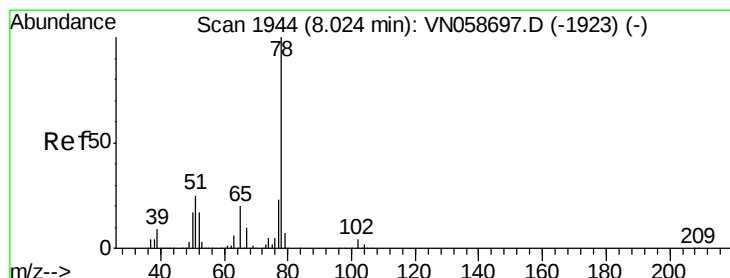
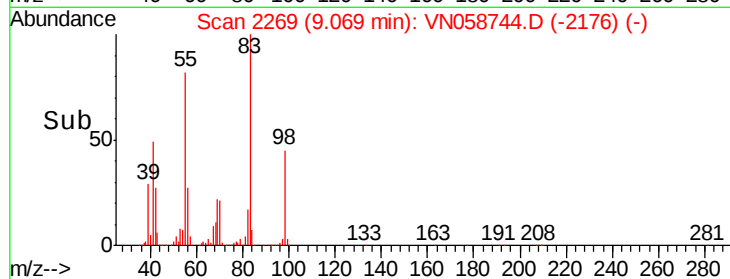
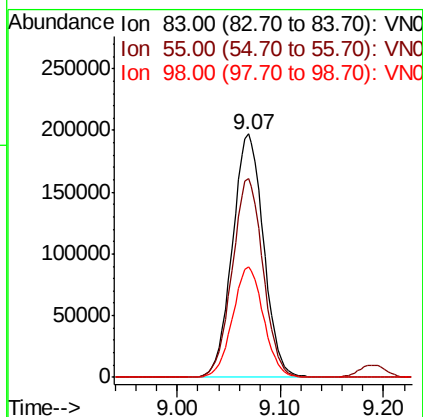
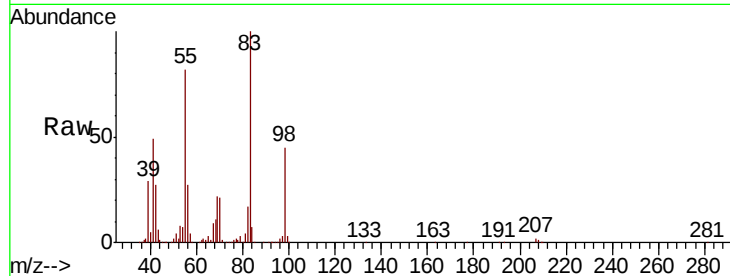




#39
Methvlcvclohexane
Concen: 50.743 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

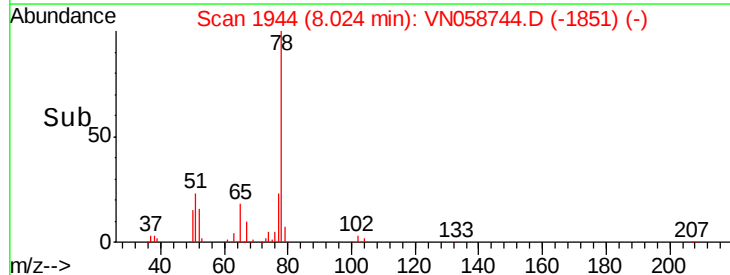
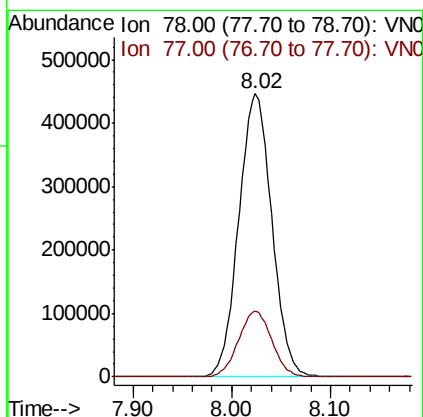
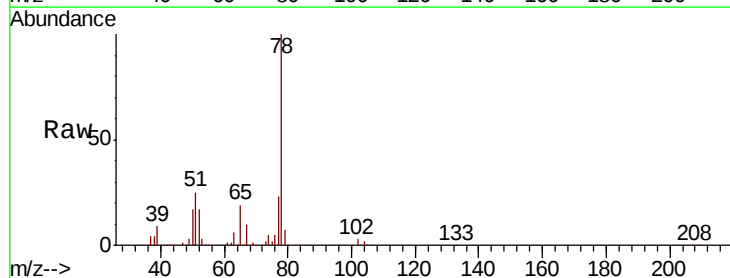
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

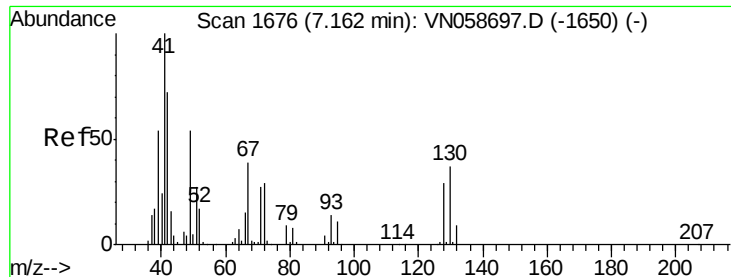
Tot Ion: 83 Resp: 415294
Ion Ratio Lower Upper
83 100
55 81.8 63.4 95.0
98 45.4 35.1 52.7



#40
Benzene
Concen: 51.142 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 78 Resp: 1035949
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

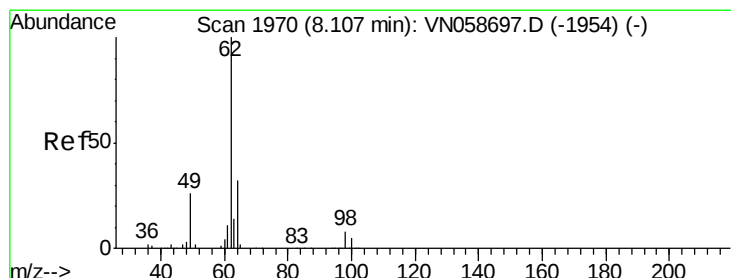
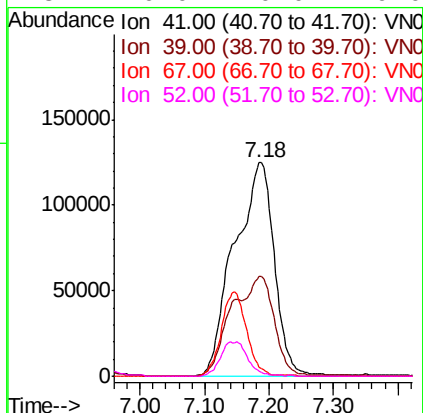
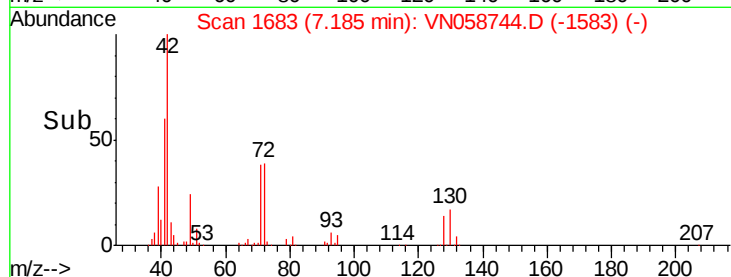
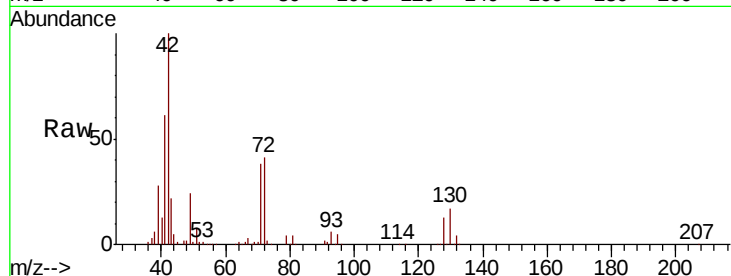




#41
Methacrylonitrile
Concen: 161.086 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.02 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

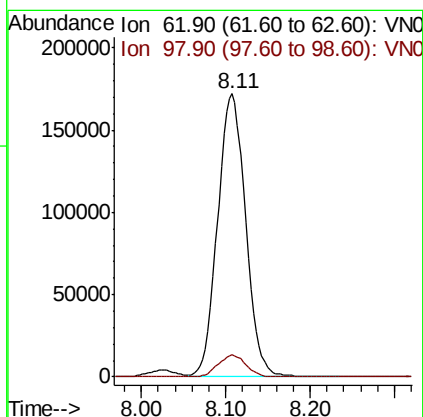
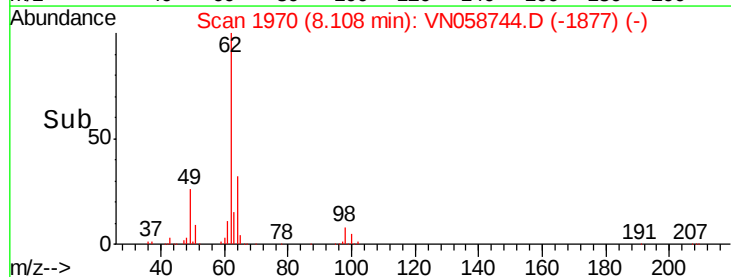
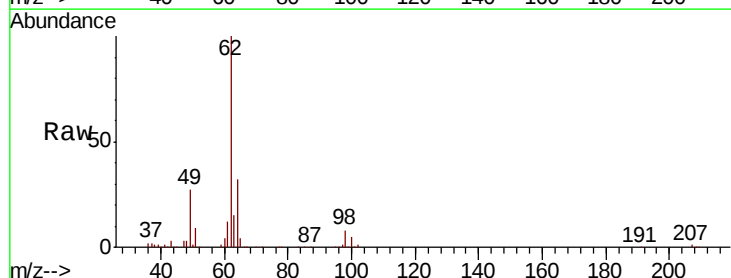
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

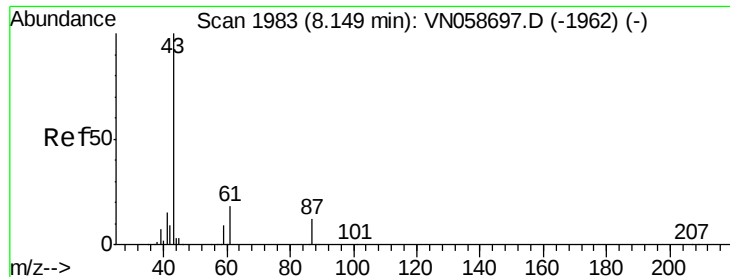
Tot Ion:	41	Resp:	537867
Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 51.068 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion:	62	Resp:	397421
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.8





#43

Isopropyl Acetate

Concen: 49.383 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

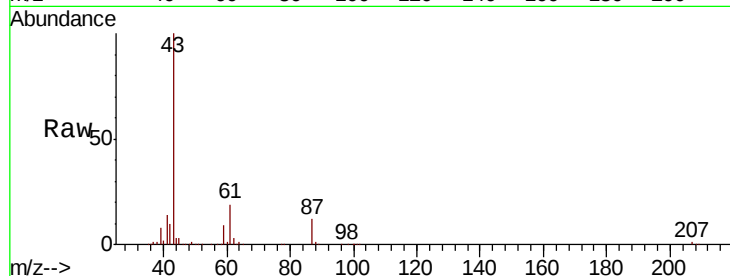
Tot Ion: 43 Resp: 600075

Ion Ratio Lower Upper

43 100

61 25.5 20.3 30.5

87 11.8 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058697.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058697.D (-1962) (-)

8.15

300000

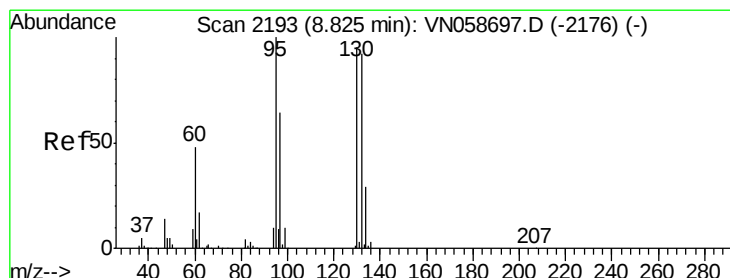
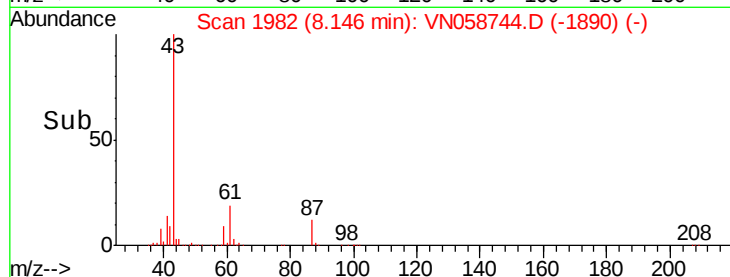
200000

100000

0

8.10 8.20

Time-->



#44

Trichloroethene

Concen: 49.978 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058744.D

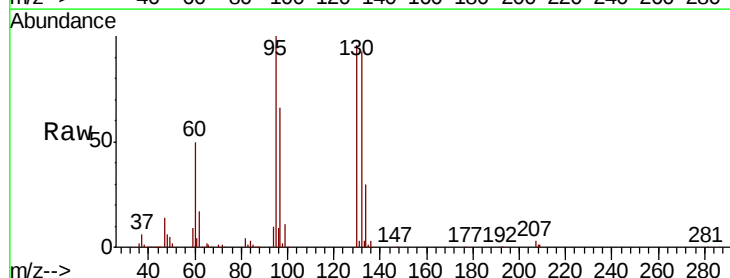
Acq: 14 Oct 2019 12:45

Tgt Ion: 130 Resp: 251405

Ion Ratio Lower Upper

130 100

95 104.3 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058697.D (-2176) (-)

150000

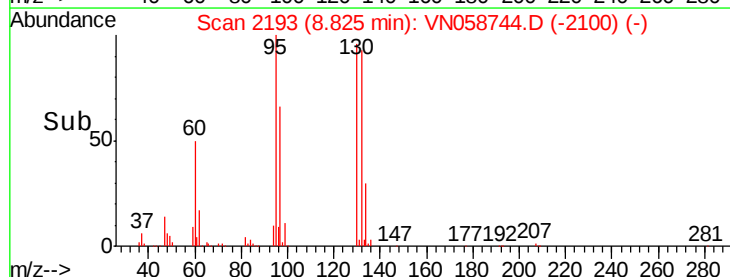
100000

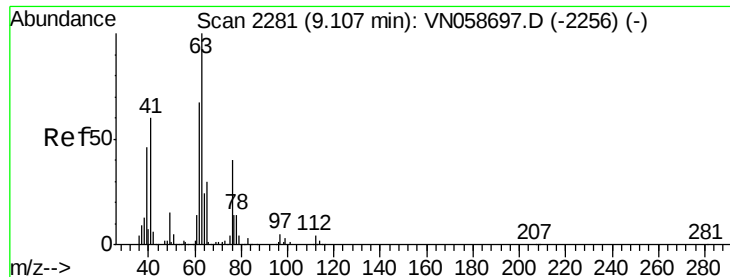
50000

0

8.70 8.80 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 51.799 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

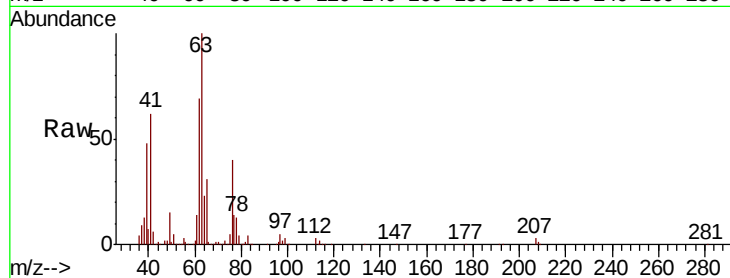
VSTDCCC050

Tot Ion: 63 Resp: 280890

Ion Ratio Lower Upper

63 100

65 31.0 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN058697.D (-2256) (-)

Ion 64.90 (64.60 to 65.60): VN058697.D (-2256) (-)

9.11

150000

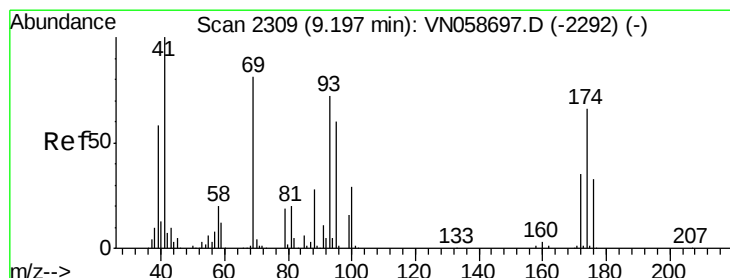
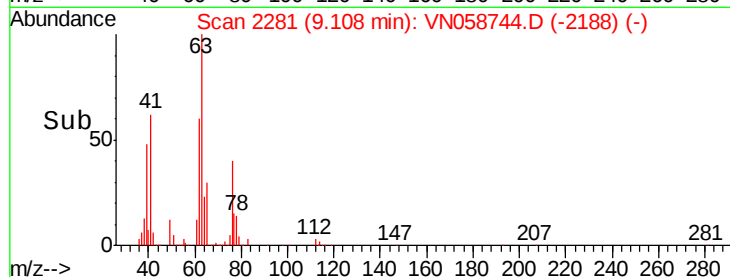
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 51.592 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

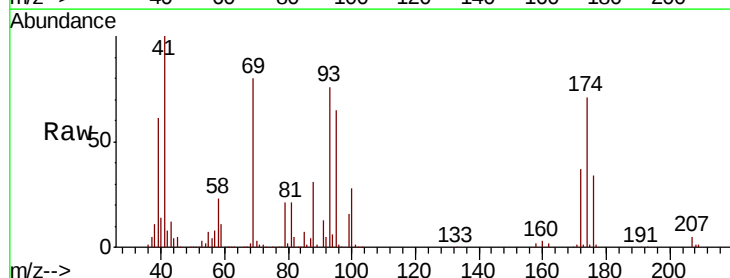
Tgt Ion: 93 Resp: 177376

Ion Ratio Lower Upper

93 100

95 84.5 66.6 100.0

174 93.1 75.2 112.8



Abundance Ion 92.80 (92.50 to 93.50): VN058697.D (-2292) (-)

Ion 94.80 (94.50 to 95.50): VN058697.D (-2292) (-)

Ion 173.70 (173.40 to 174.40): VN058697.D (-2292) (-)

120000

100000

80000

60000

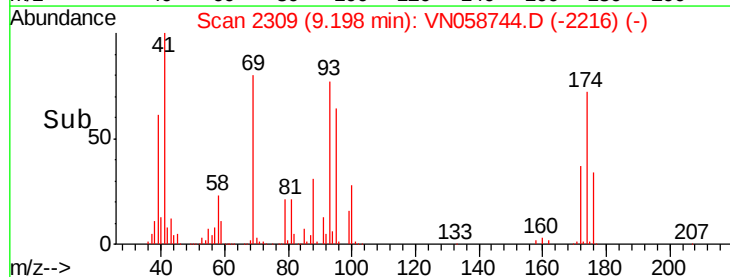
40000

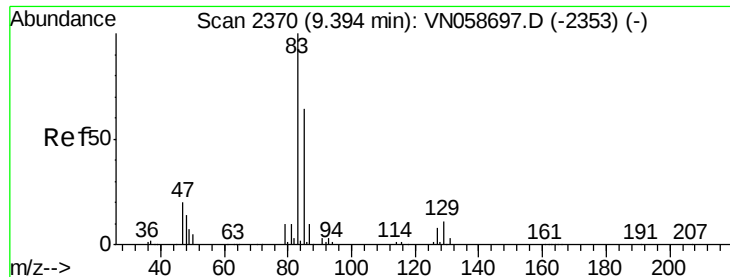
20000

0

Time-->

9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 52.974 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

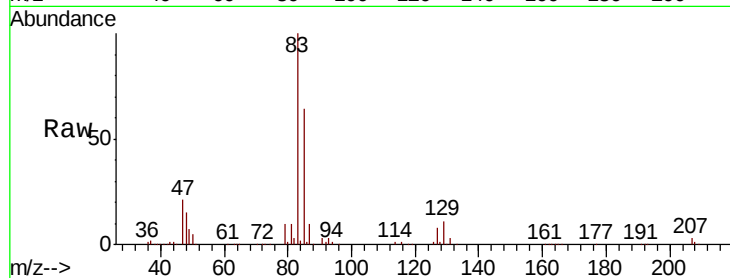
Tot Ion: 83 Resp: 370869

Ion Ratio Lower Upper

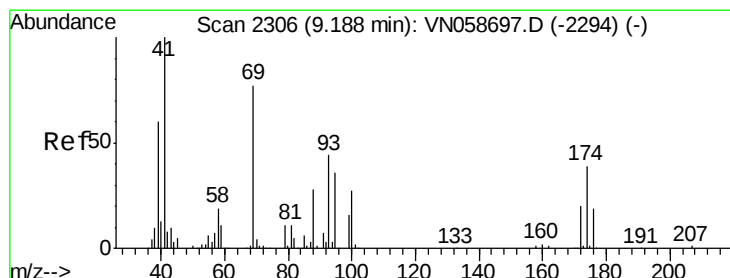
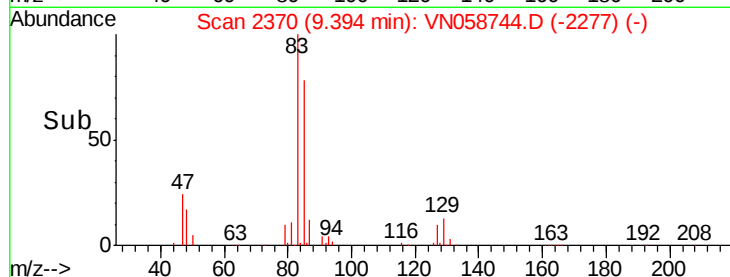
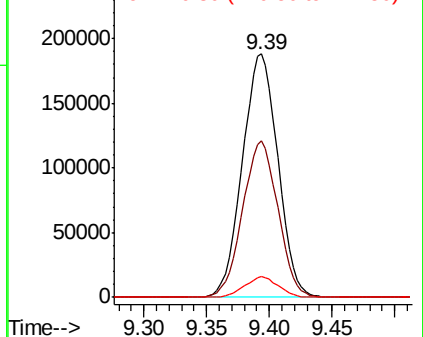
83 100

85 64.1 50.9 76.3

127 8.4 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: 50.888 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

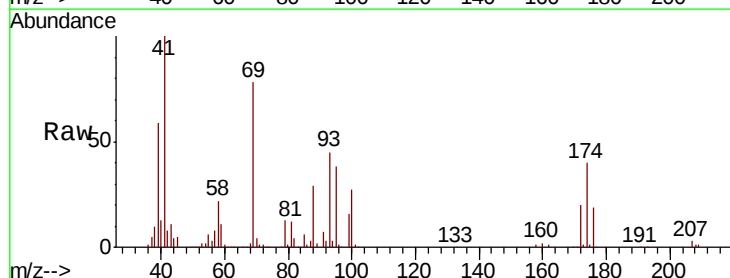
Tgt Ion: 41 Resp: 280299

Ion Ratio Lower Upper

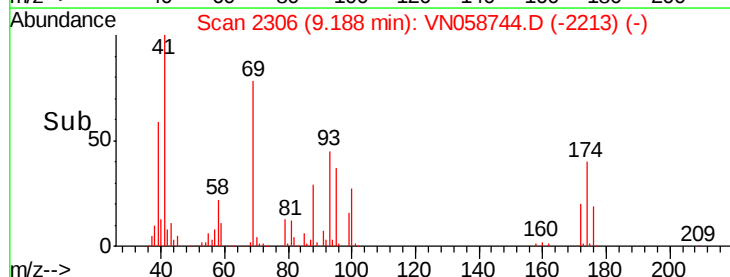
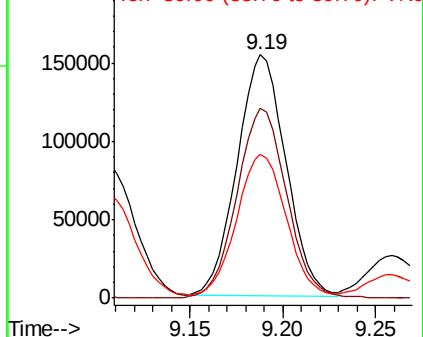
41 100

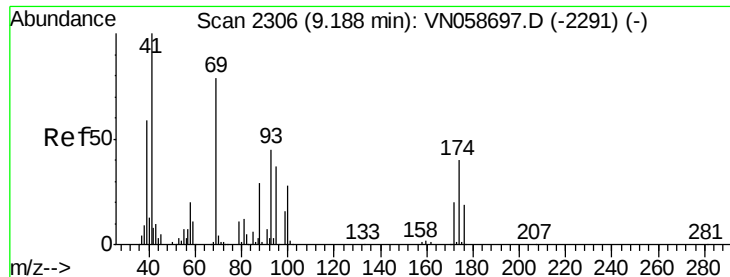
69 80.8 63.4 95.2

39 61.1 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

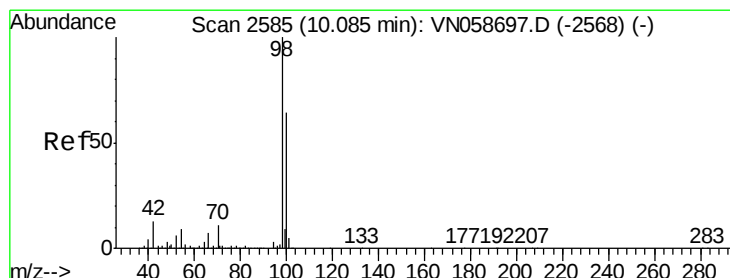
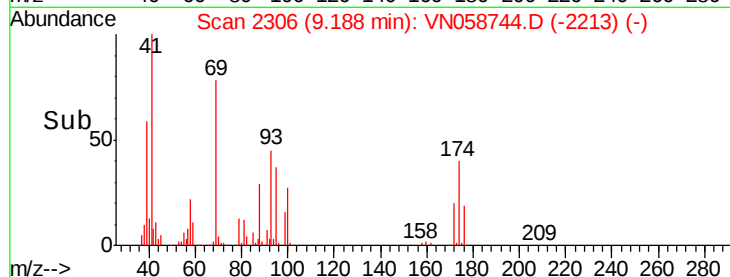
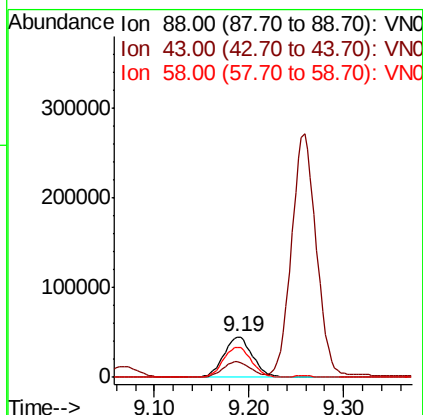
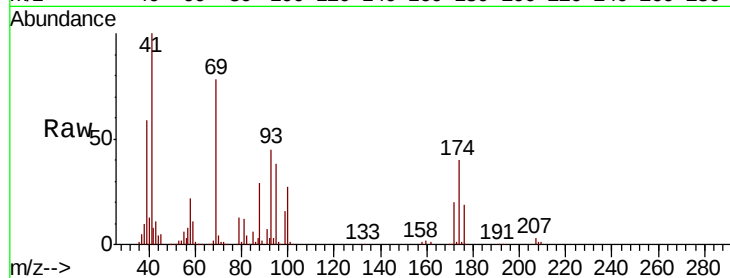




#49
1,4-Dioxane
Concen: 1119.667 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

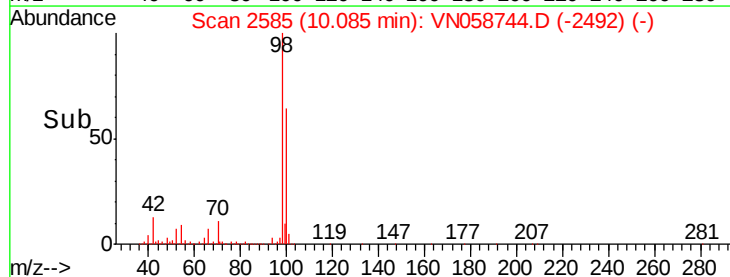
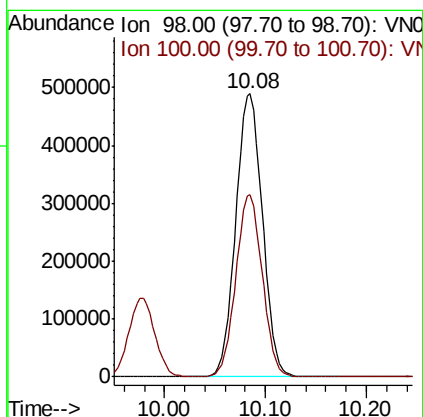
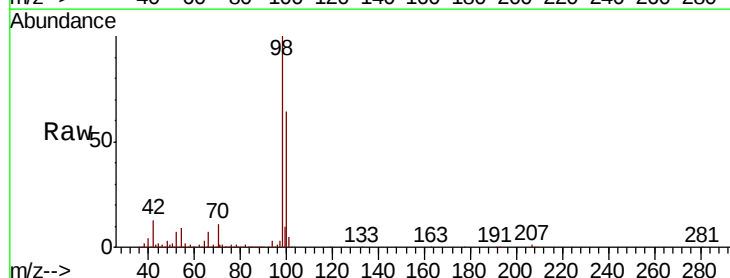
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

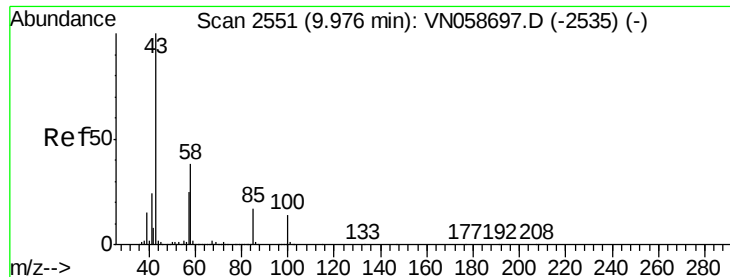
Tot Ion: 88 Resp: 95411
Ion Ratio Lower Upper
88 100
43 36.2 28.6 43.0
58 73.6 57.2 85.8



#50
Toluene-d8
Concen: 52.117 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 98 Resp: 898005
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 271.132 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

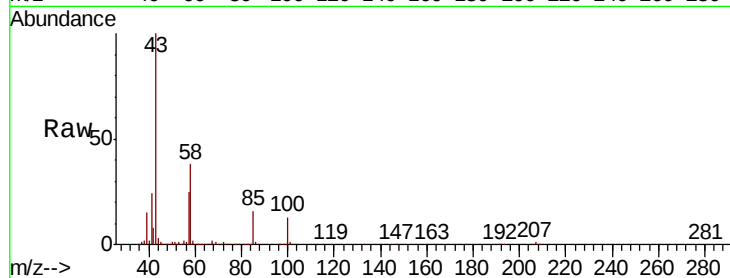
VSTDCCC050

Tot Ion: 43 Resp: 1850315

Ion Ratio Lower Upper

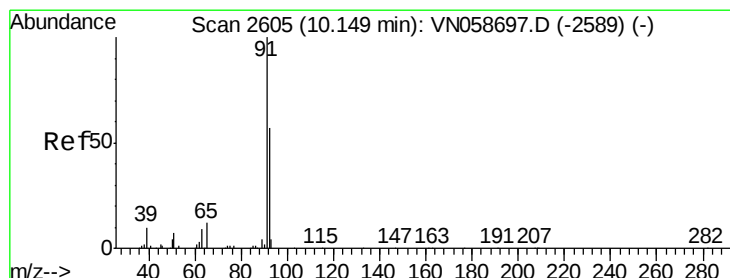
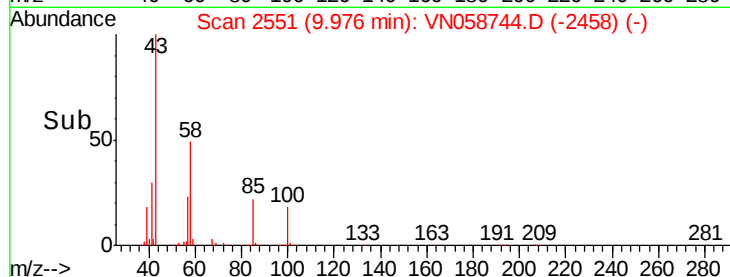
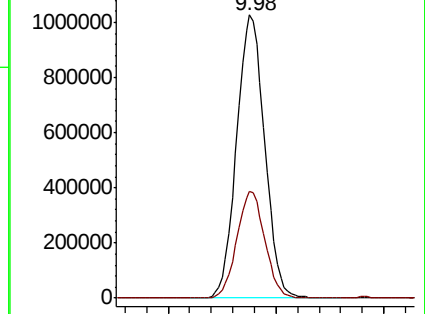
43 100

58 37.4 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) (-)



#52

Toluene

Concen: 51.950 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058744.D

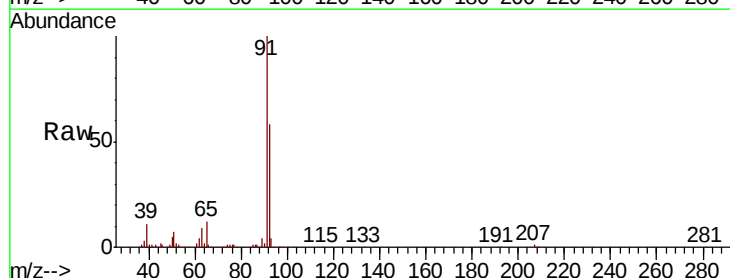
Acq: 14 Oct 2019 12:45

Tgt Ion: 92 Resp: 643622

Ion Ratio Lower Upper

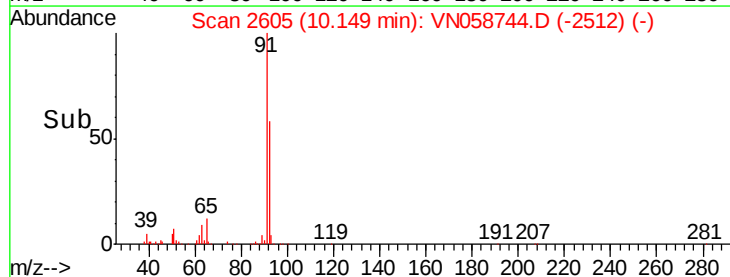
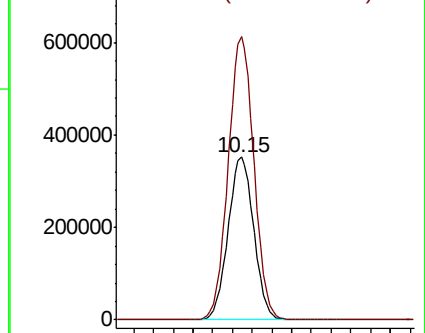
92 100

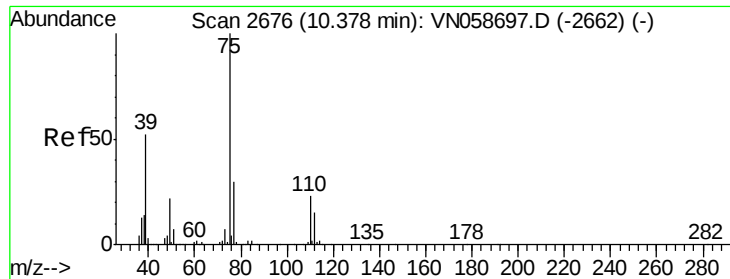
91 173.9 139.1 208.7



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

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





#53

t-1,3-Dichloropropene

Concen: 53.083 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampled :

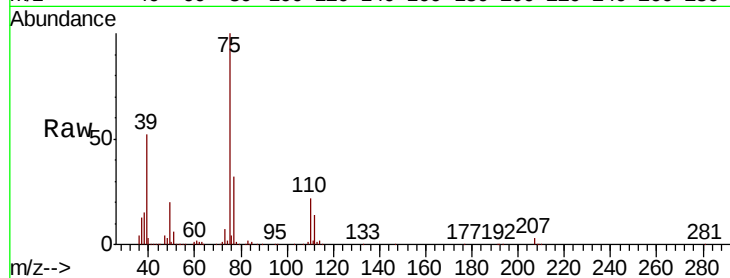
VSTDCCC050

Tot Ion: 75 Resp: 426240

Ion Ratio Lower Upper

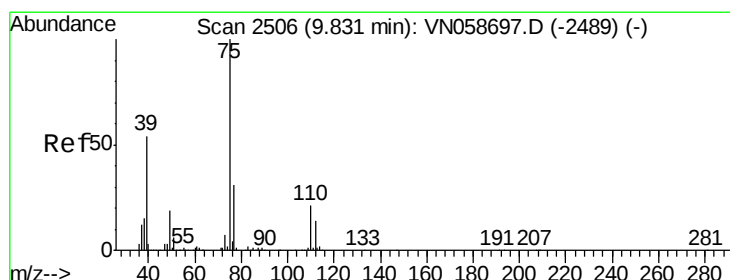
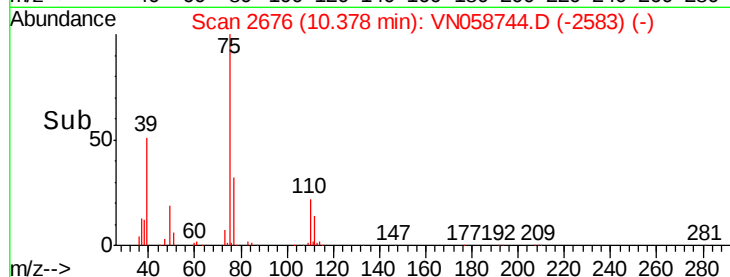
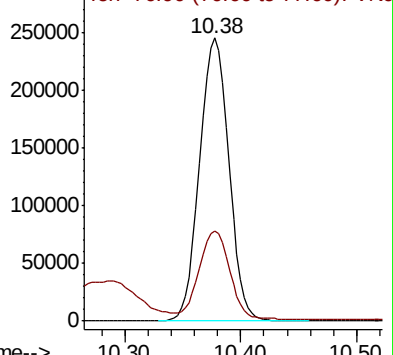
75 100

77 31.5 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: 52.559 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

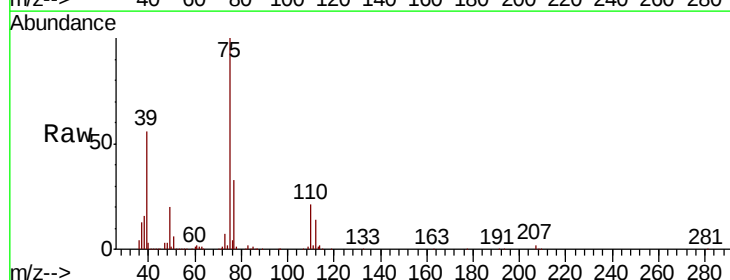
Tgt Ion: 75 Resp: 448091

Ion Ratio Lower Upper

75 100

77 32.8 24.4 36.6

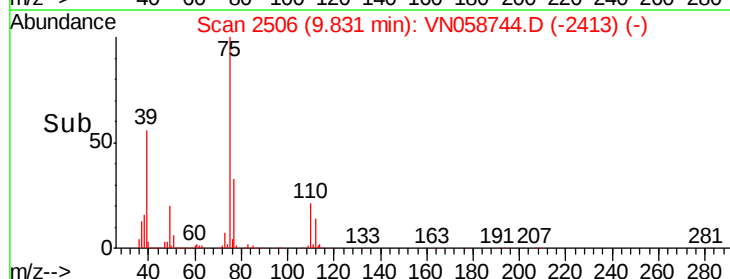
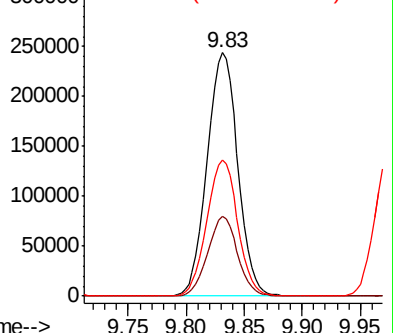
39 55.9 43.1 64.7

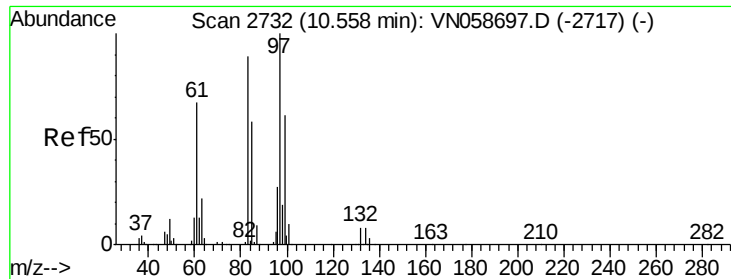


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



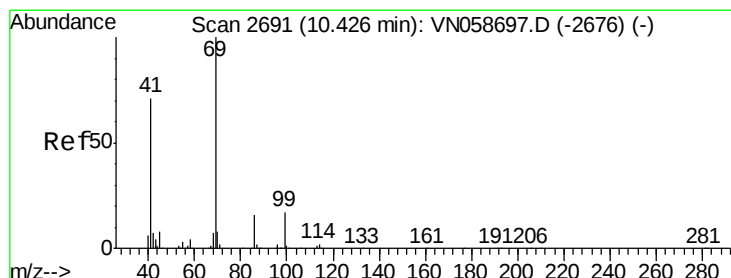
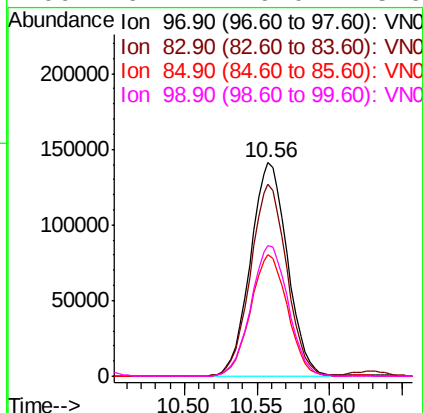
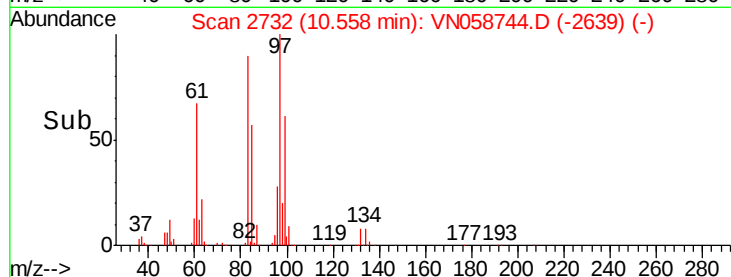
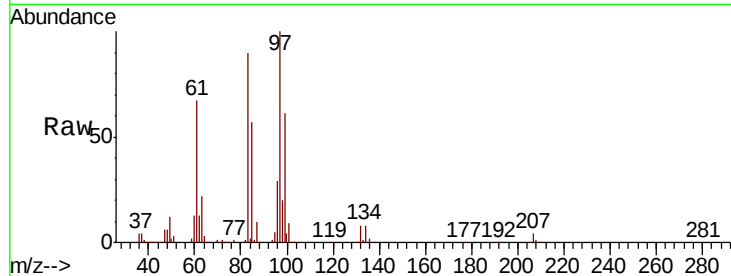


#55
 1,1,2-Trichloroethane
 Concen: 49.619 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 251610

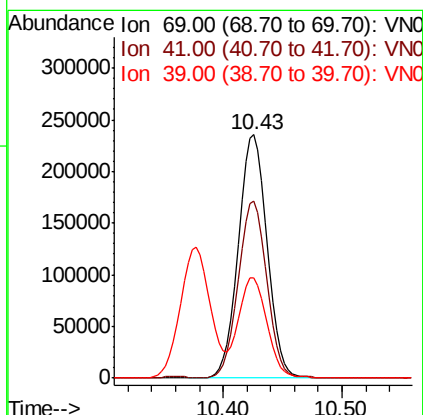
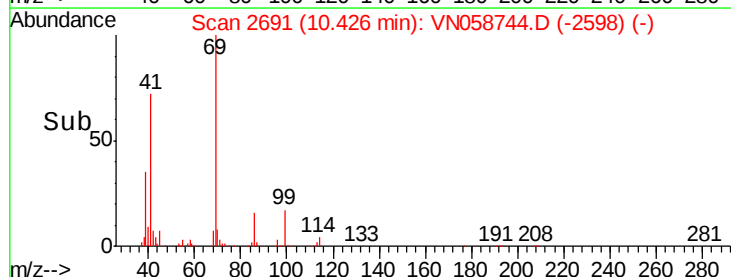
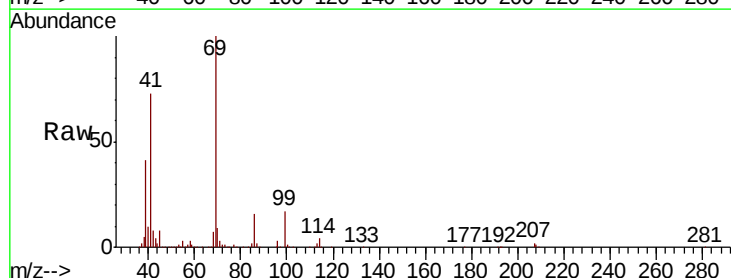
Ion	Ratio	Lower	Upper
97	100		
83	90.0	71.2	106.8
85	56.7	46.7	70.1
99	61.4	49.0	73.6

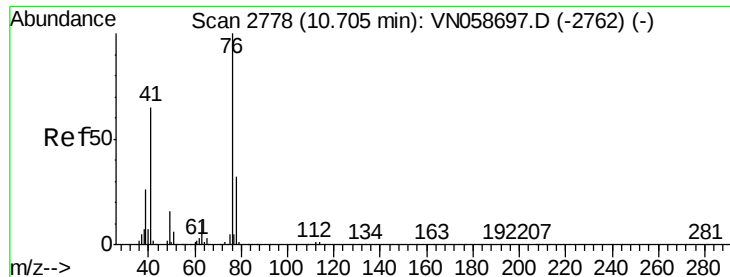


#56
 Ethyl methacrylate
 Concen: 53.314 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Tgt Ion: 69 Resp: 394954

Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.8	85.2
39	40.5	32.5	48.7





#57

1,3-Dichloropropane

Concen: 51.059 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

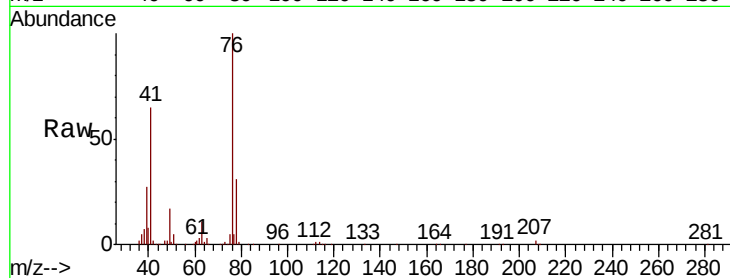
VSTDCCC050

Tot Ion: 76 Resp: 441206

Ion Ratio Lower Upper

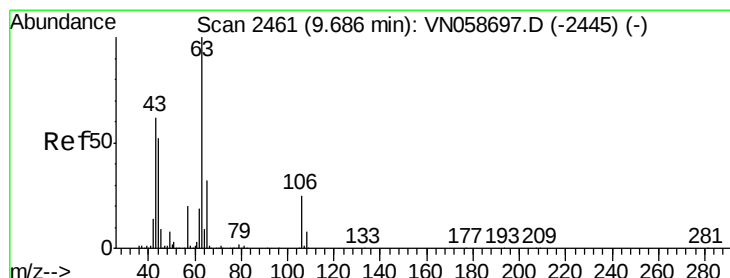
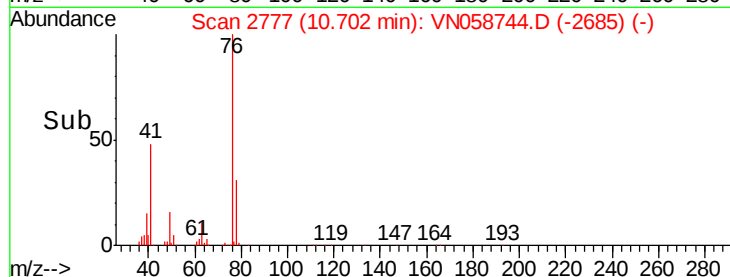
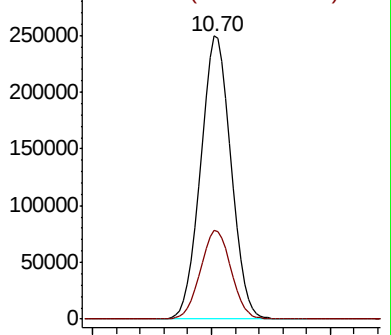
76 100

78 31.7 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: 258.896 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058744.D

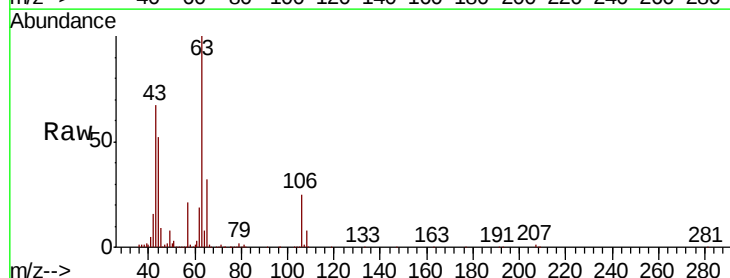
Acq: 14 Oct 2019 12:45

Tgt Ion: 63 Resp: 924292

Ion Ratio Lower Upper

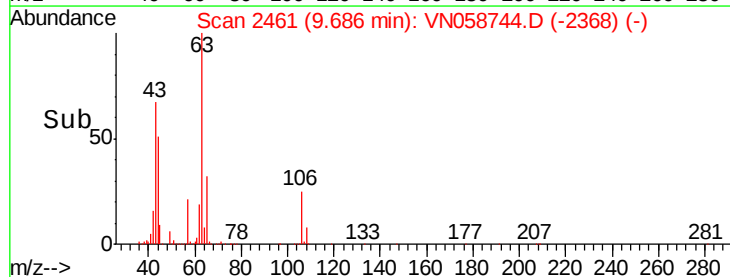
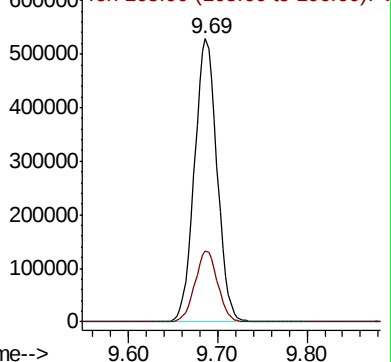
63 100

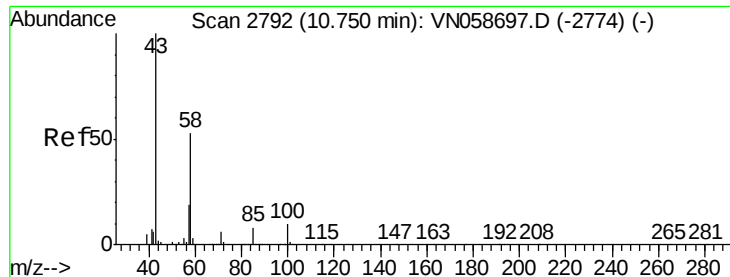
106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

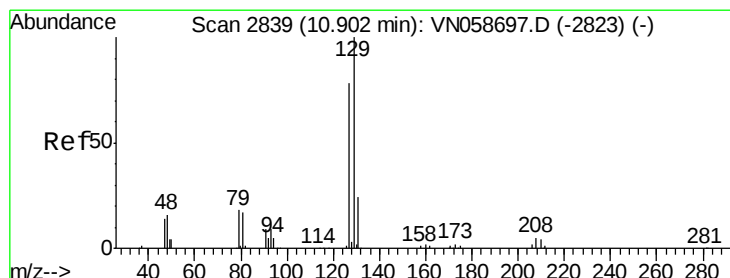
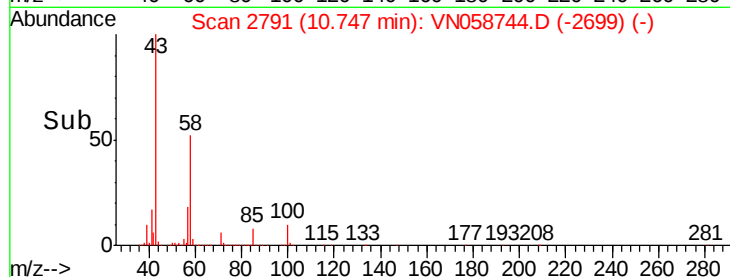
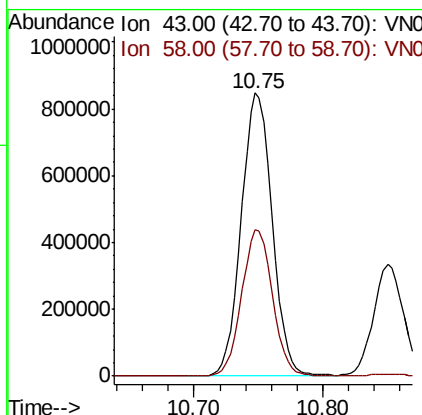
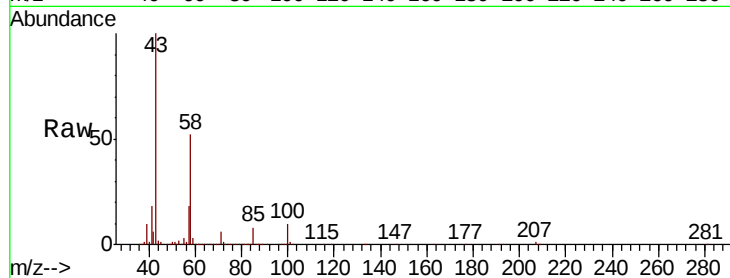




#59
2-Hexanone
Concen: 268.325 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

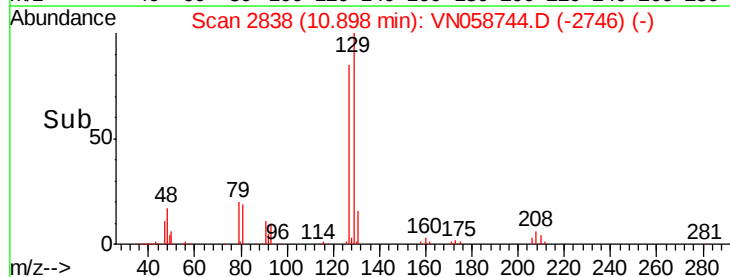
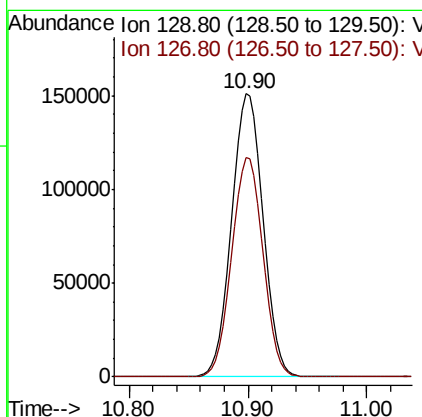
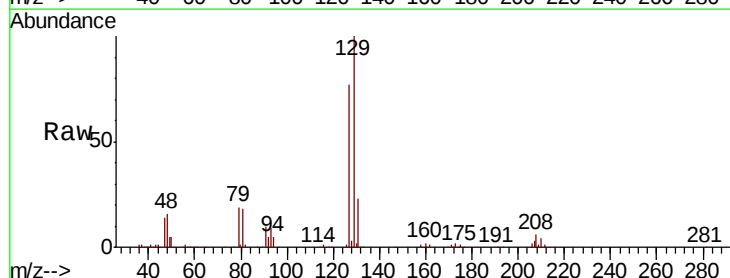
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

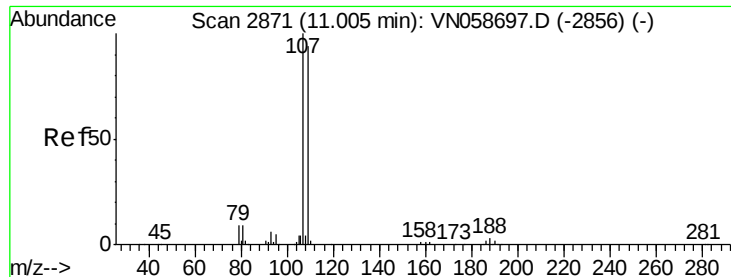
Tot Ion: 43 Resp: 1415127
Ion Ratio Lower Upper
43 100
58 51.6 26.1 78.3



#60
Dibromochloromethane
Concen: 53.026 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 129 Resp: 277377
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.3

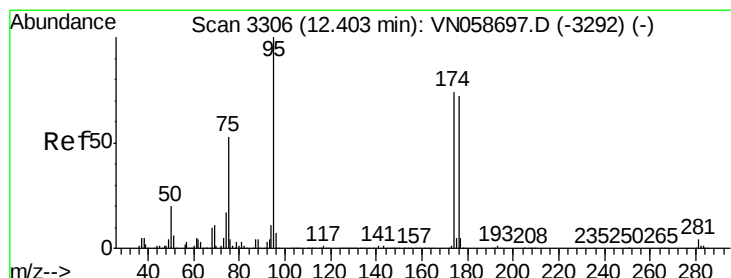
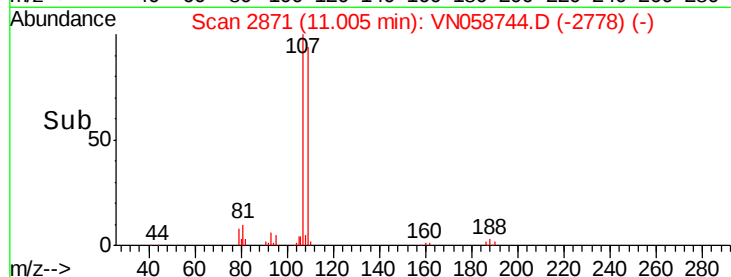
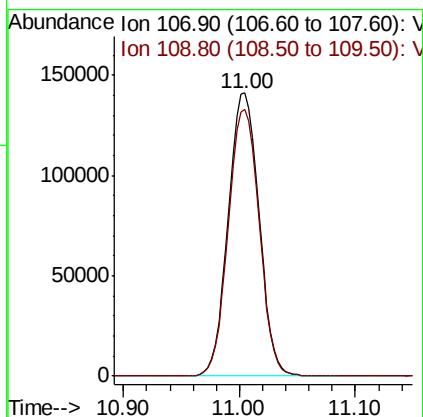
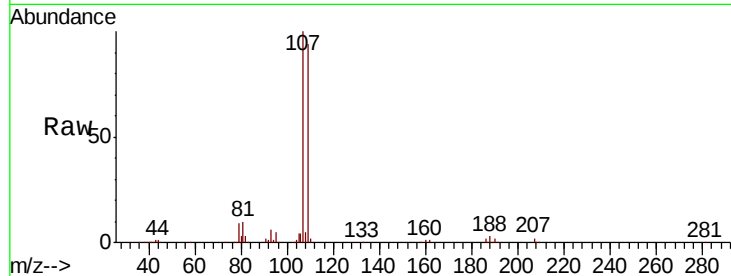




#61
1,2-Dibromoethane
Concen: 50.964 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

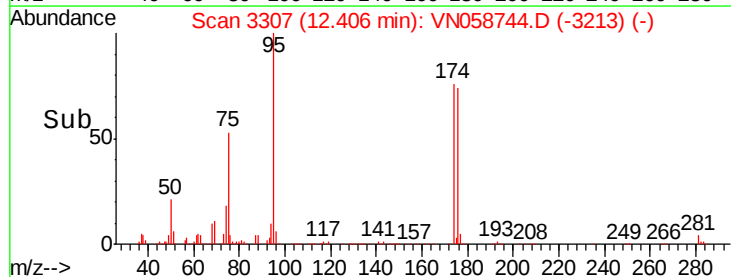
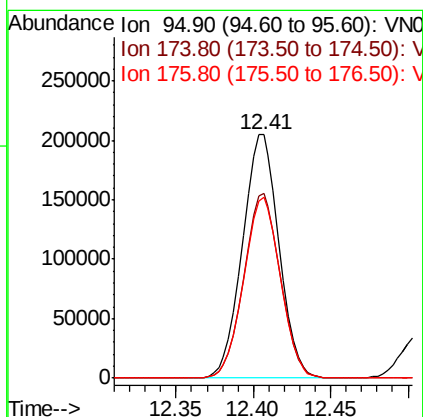
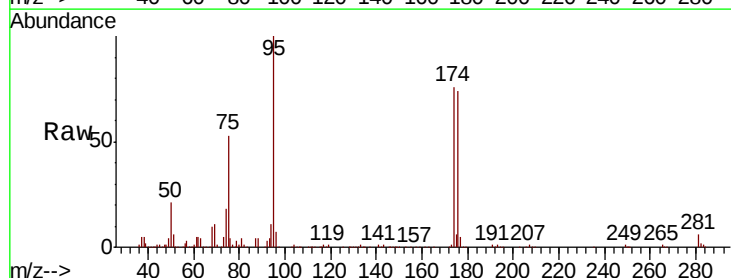
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

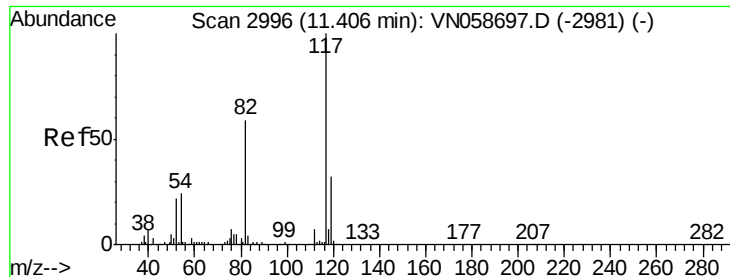
Tot Ion: 107 Resp: 258904
Ion Ratio Lower Upper
107 100
109 94.6 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 51.582 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 95 Resp: 336430
Ion Ratio Lower Upper
95 100
174 76.0 0.0 150.4
176 74.9 0.0 146.8

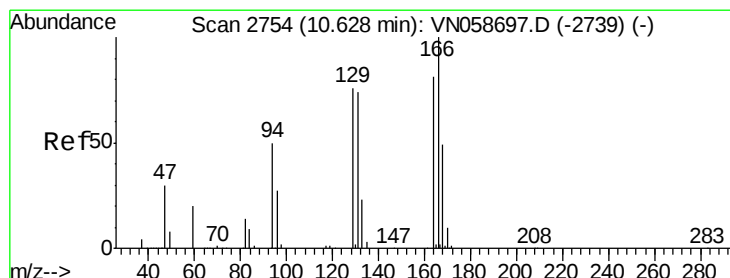
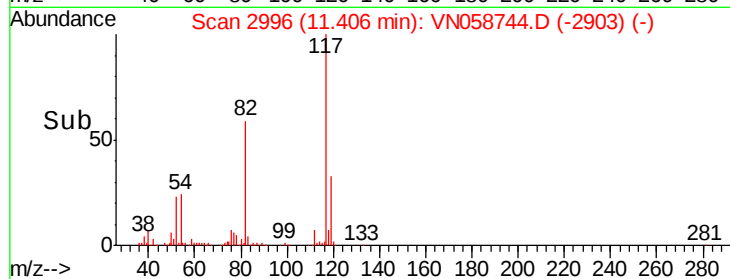
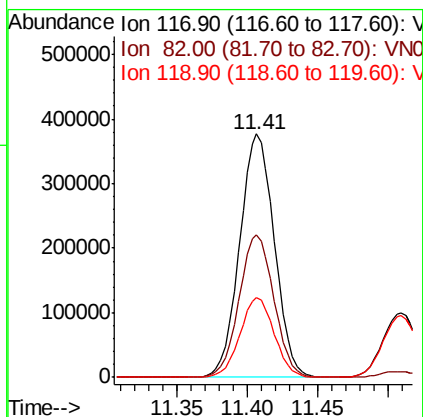
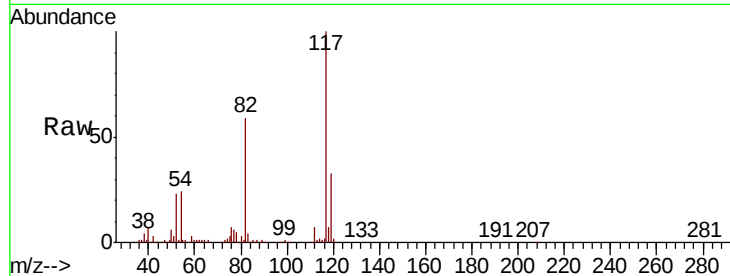




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

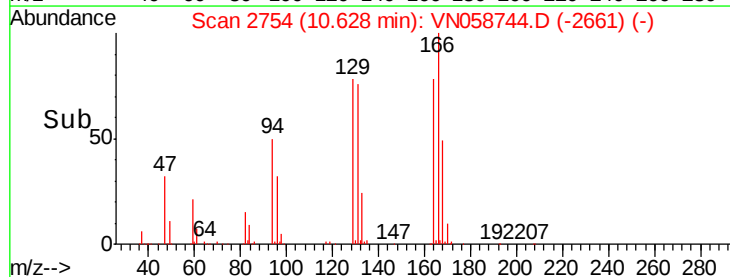
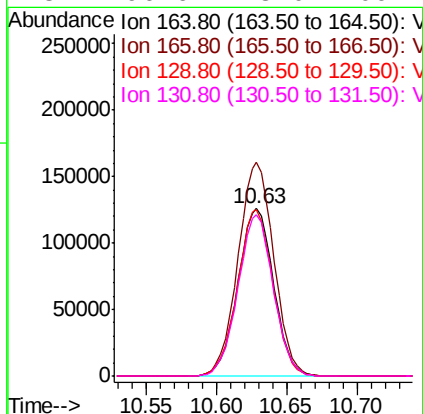
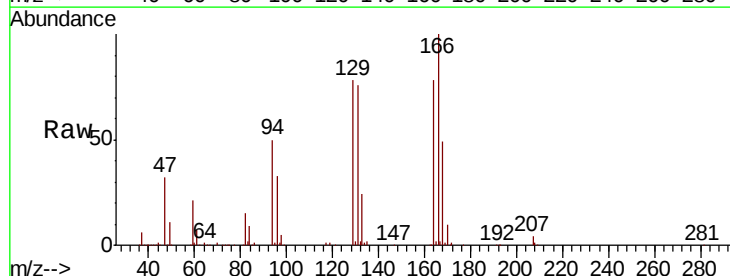
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

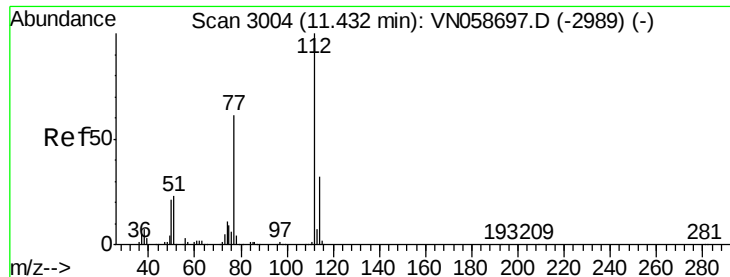
Tot Ion:117 Resp: 649606
Ion Ratio Lower Upper
117 100
82 58.7 47.0 70.4
119 32.7 25.4 38.2



#64
Tetrachloroethene
Concen: 49.299 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion:164 Resp: 224119
Ion Ratio Lower Upper
164 100
166 127.6 99.3 148.9
129 99.1 75.2 112.8
131 96.6 73.0 109.4





#65

Chlorobenzene

Concen: 51.059 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

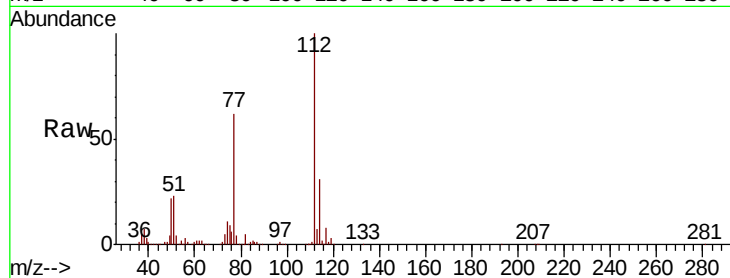
VSTDCCC050

Tot Ion:112 Resp: 673575

Ion Ratio Lower Upper

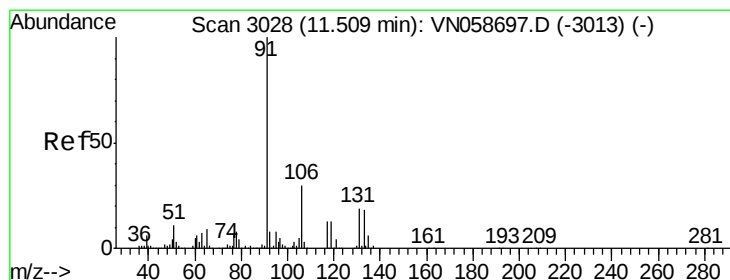
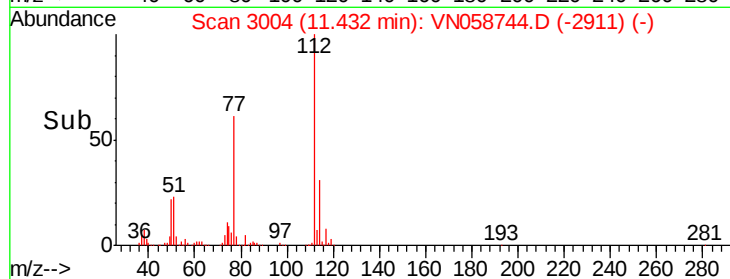
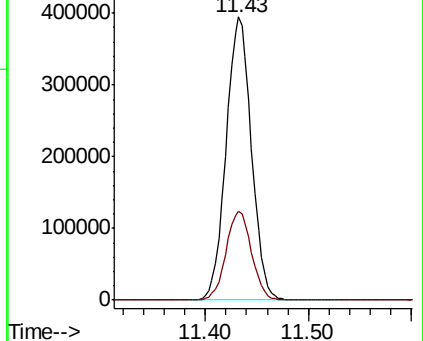
112 100

114 31.4 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.554 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

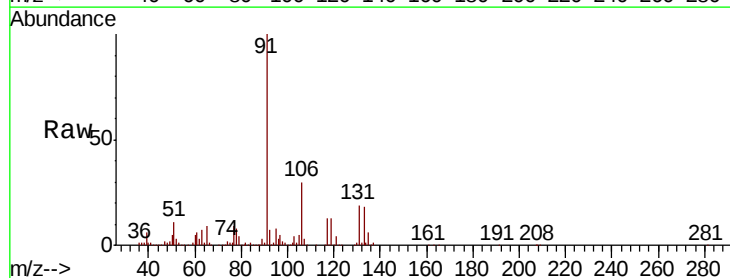
Tgt Ion:131 Resp: 251485

Ion Ratio Lower Upper

131 100

133 95.6 47.6 142.9

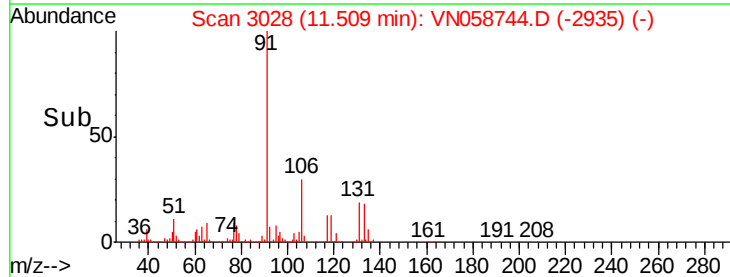
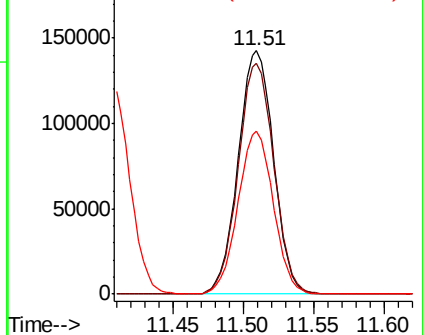
119 66.9 33.0 98.9

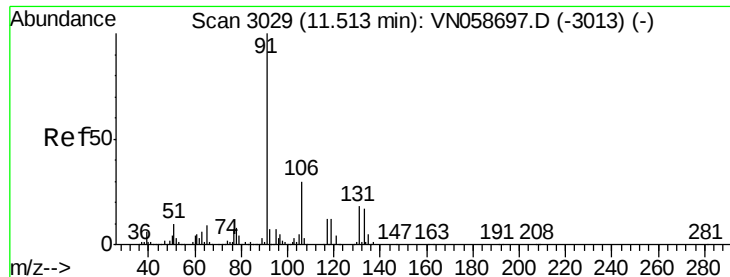


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

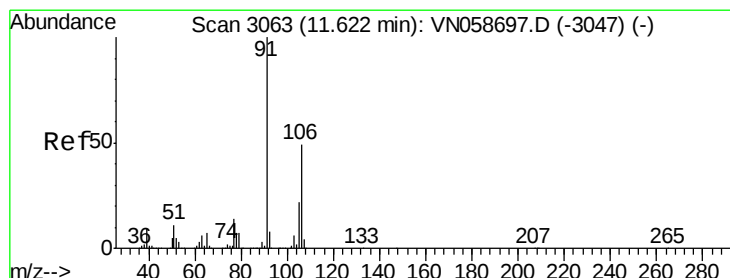
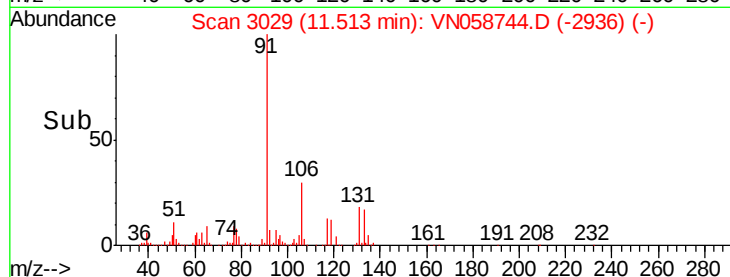
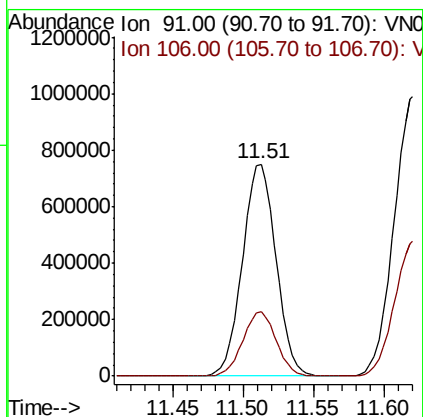
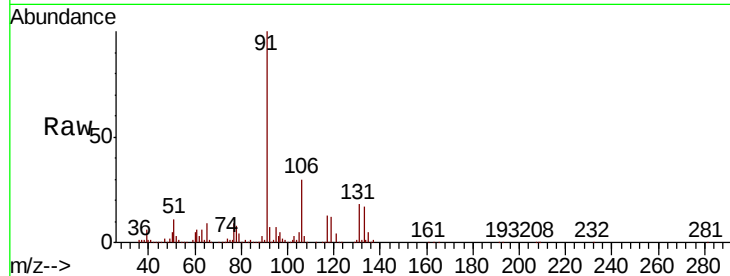




#67
Ethyl Benzene
Concen: 53.265 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

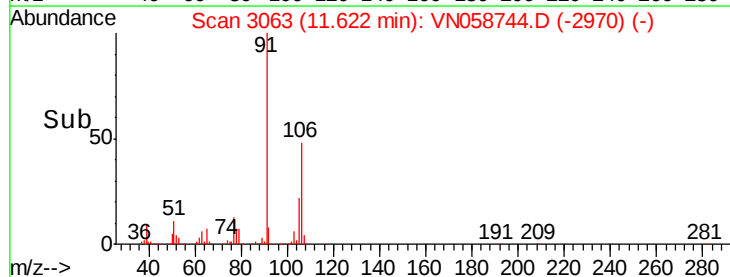
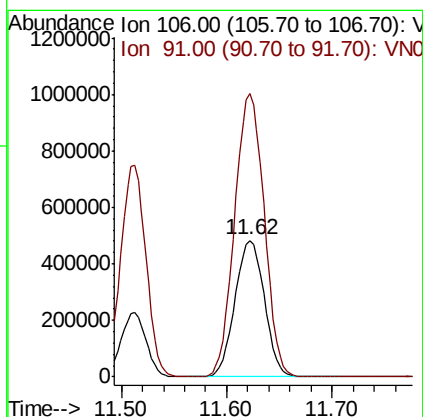
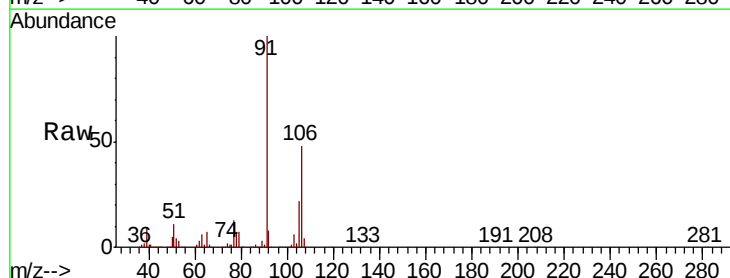
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

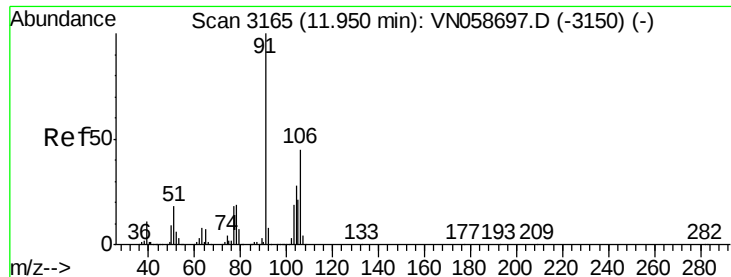
Tot Ion: 91 Resp: 1252583
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1



#68
m/p-Xylenes
Concen: 105.885 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion: 106 Resp: 934427
Ion Ratio Lower Upper
106 100
91 208.4 165.7 248.5

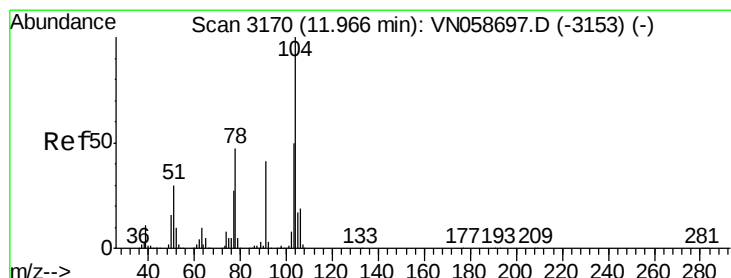
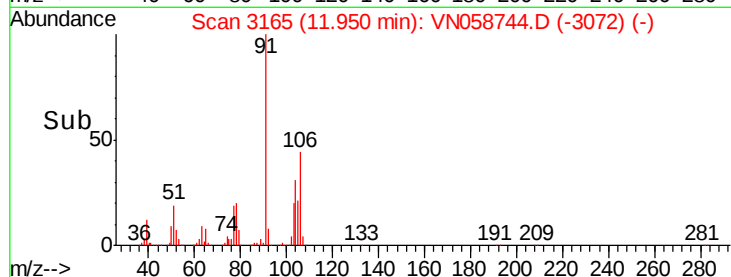
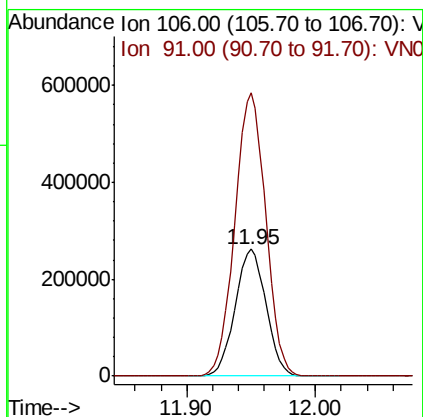
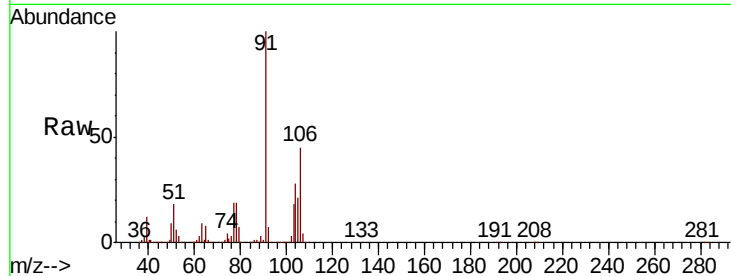




#69
o-Xylene
Concen: 51.082 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

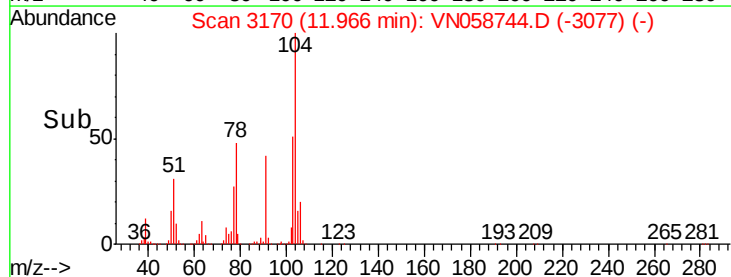
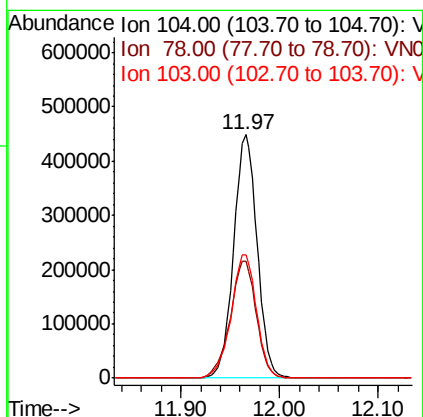
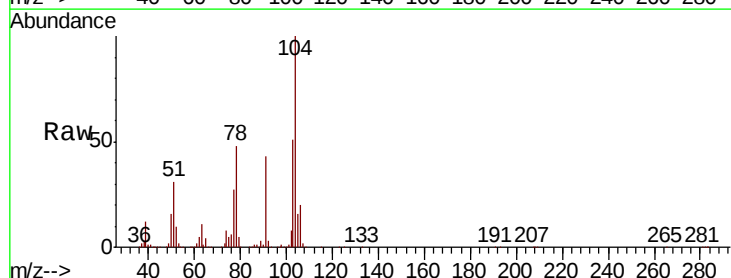
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

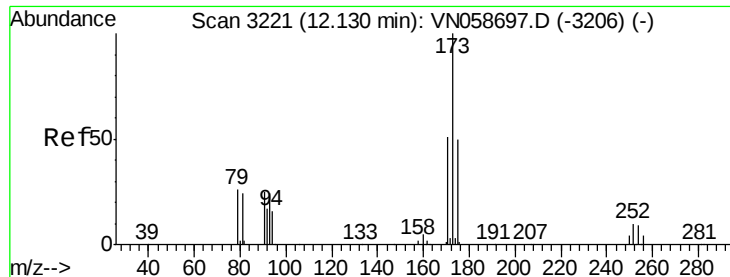
Tot Ion:106 Resp: 436154
Ion Ratio Lower Upper
106 100
91 223.1 110.9 332.9



#70
Styrene
Concen: 53.193 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058744.D
Acq: 14 Oct 2019 12:45

Tgt Ion:104 Resp: 744397
Ion Ratio Lower Upper
104 100
78 53.3 42.2 63.2
103 54.9 43.7 65.5





#71

Bromoform

Concen: 52.806 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

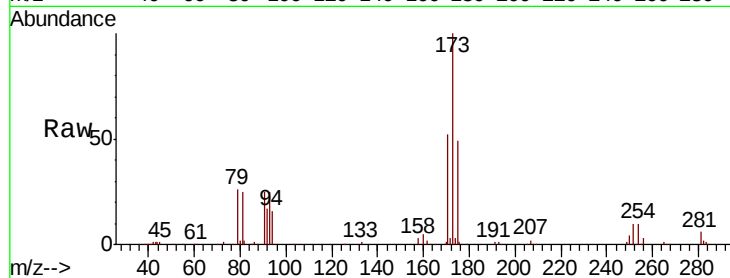
Tot Ion:173 Resp: 188814

Ion Ratio Lower Upper

173 100

175 49.5 24.6 73.8

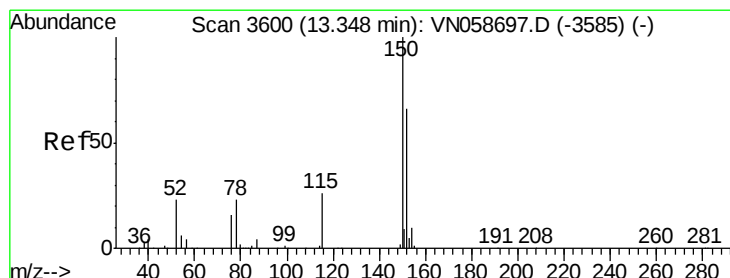
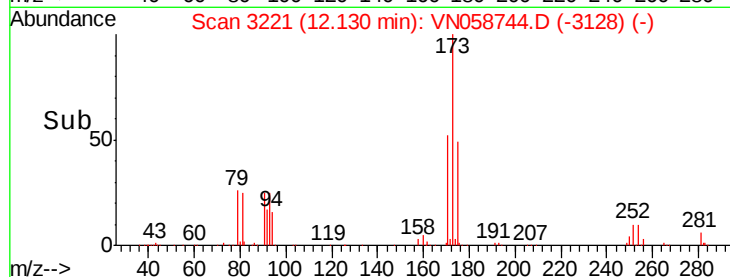
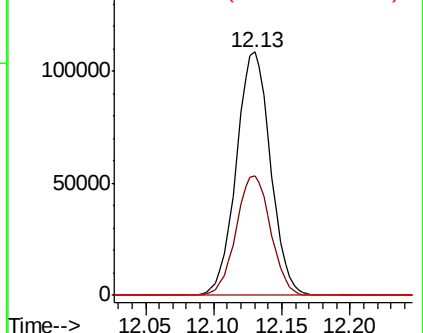
254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

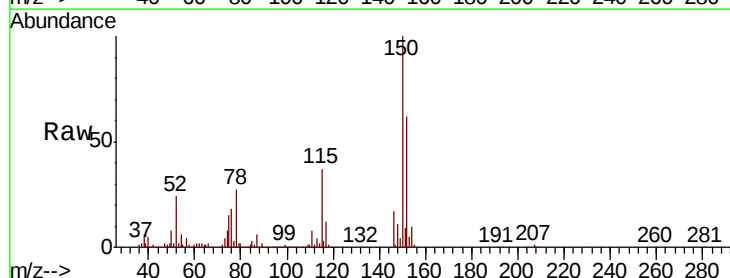
Tgt Ion:152 Resp: 326553

Ion Ratio Lower Upper

152 100

115 60.1 30.4 91.2

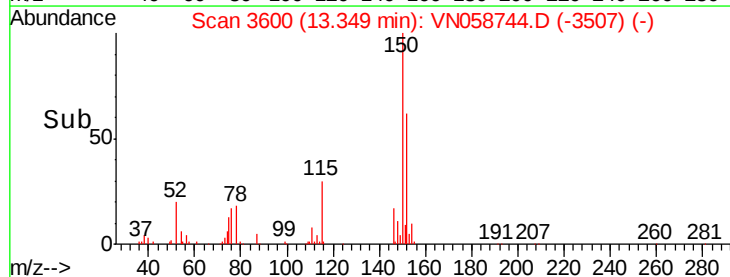
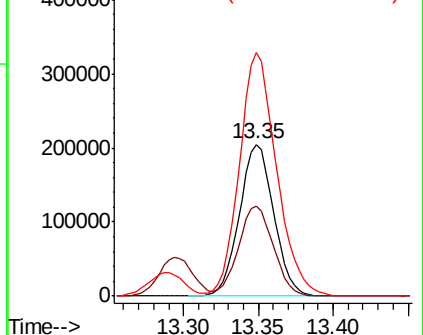
150 173.9 0.0 345.4

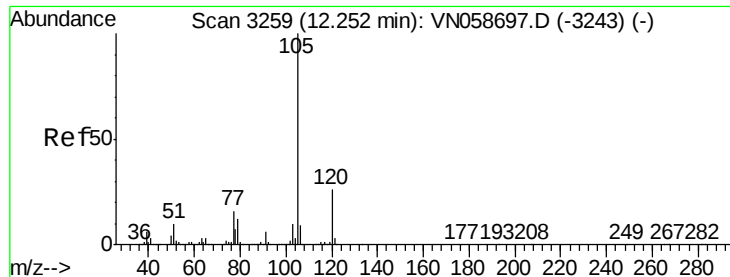


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.418 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

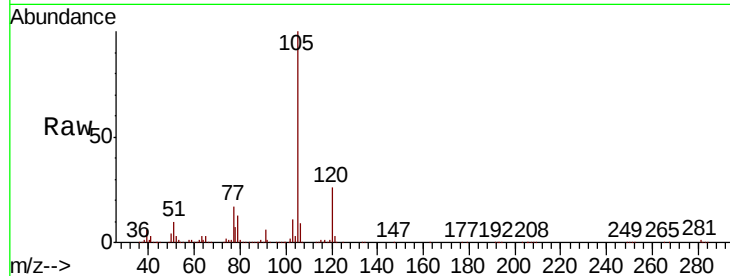
VSTDCCC050

Tot Ion:105 Resp: 1216015

Ion Ratio Lower Upper

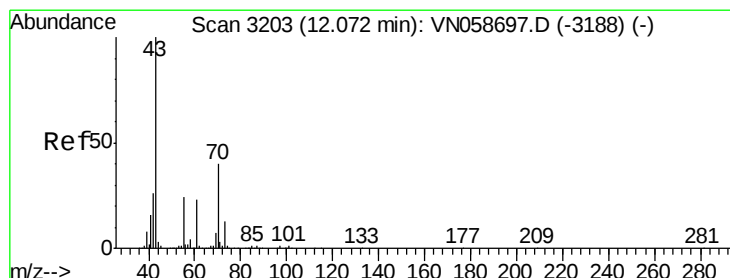
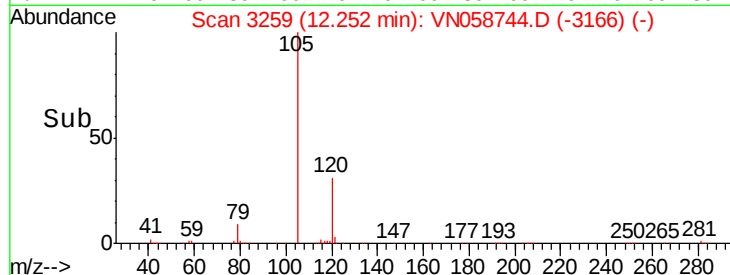
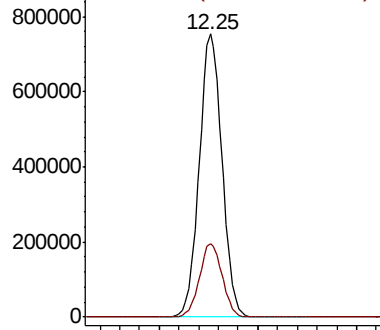
105 100

120 26.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.450 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tgt Ion: 43 Resp: 546494

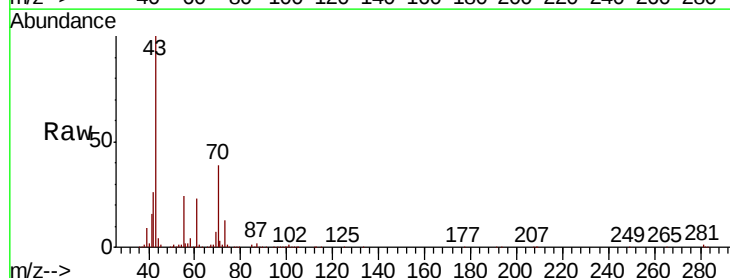
Ion Ratio Lower Upper

43 100

70 39.0 32.2 48.4

55 24.5 19.6 29.4

61 22.9 18.6 28.0

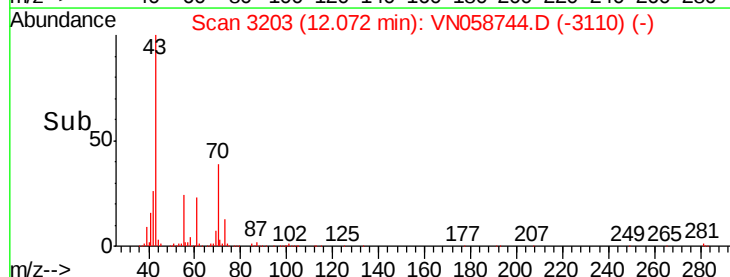
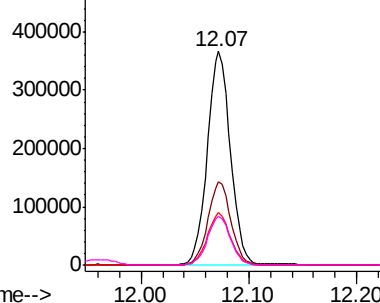


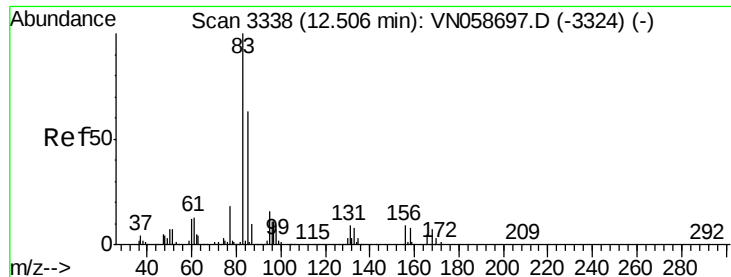
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 48.952 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

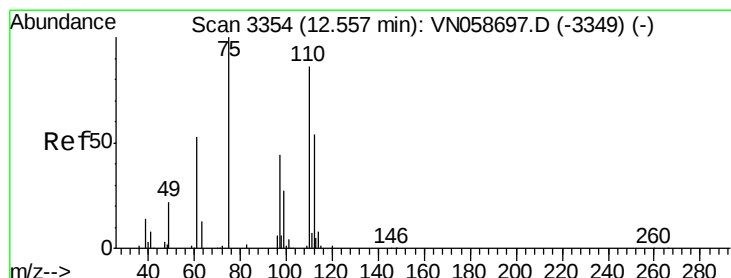
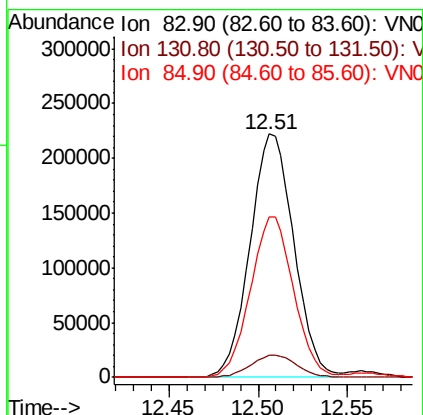
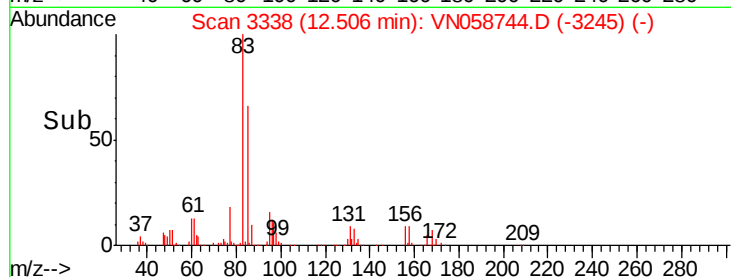
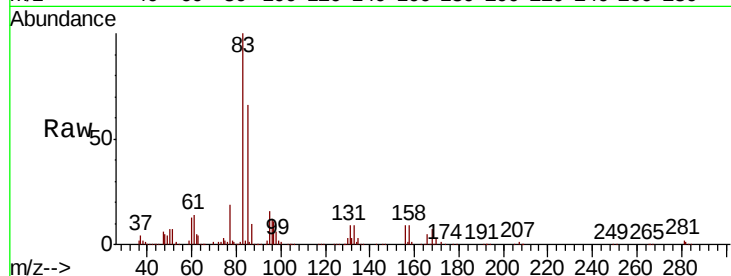
Tot Ion: 83 Resp: 381380

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	65.0	31.9	95.5

83 100

131 9.6 4.8 14.4

85 65.0 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 72.020 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058744.D

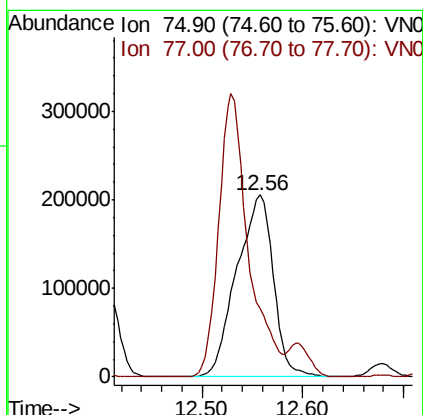
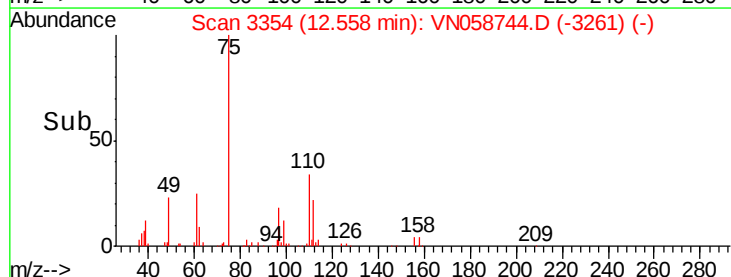
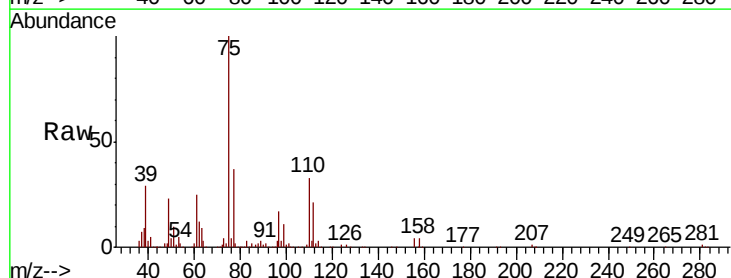
Acq: 14 Oct 2019 12:45

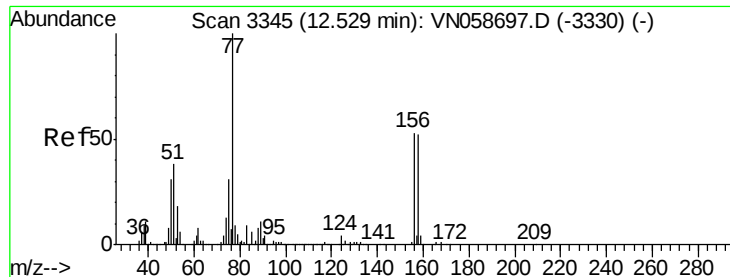
Tgt Ion: 75 Resp: 515934

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 49.385 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

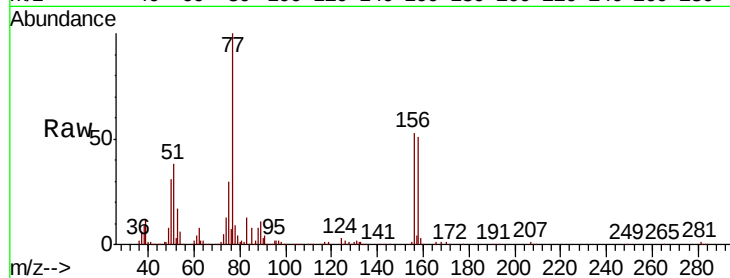
Tot Ion:156 Resp: 284085

Ion Ratio Lower Upper

156 100

77 230.6 115.8 347.3

158 97.4 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

400000

300000

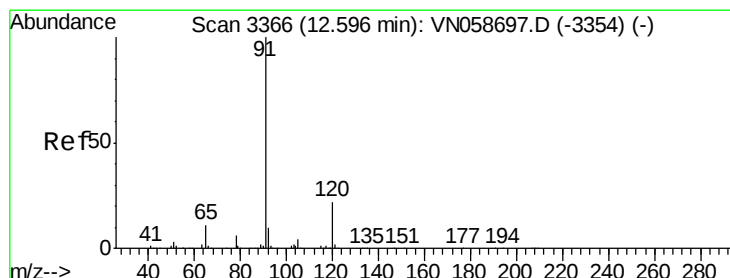
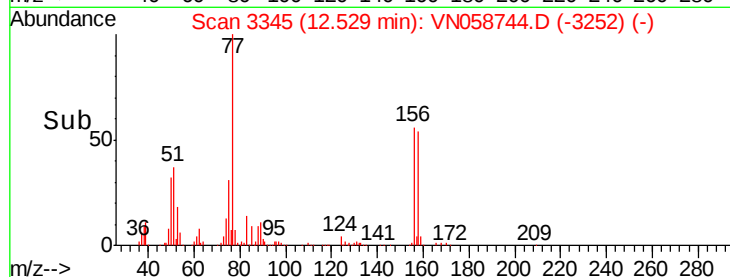
200000

100000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 52.986 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058744.D

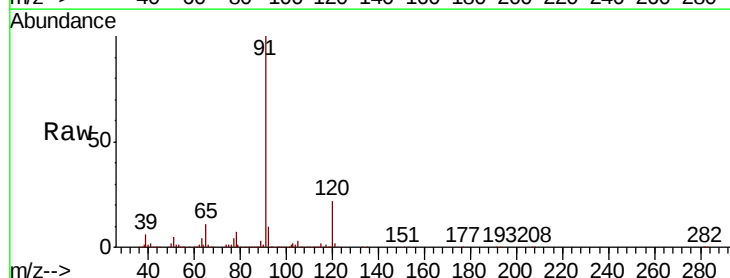
Acq: 14 Oct 2019 12:45

Tgt Ion: 91 Resp: 1460188

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

1000000

800000

600000

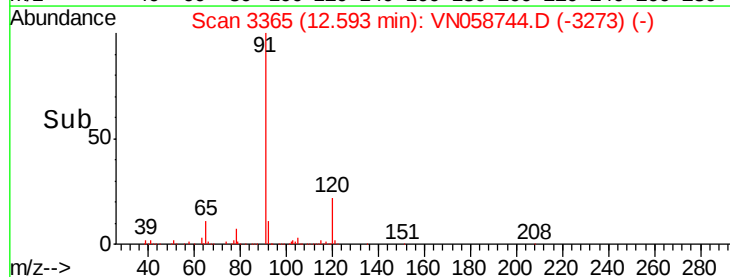
400000

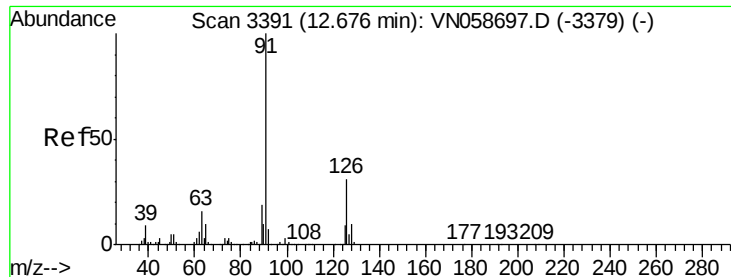
200000

0

12.55 12.60 12.65

Time-->

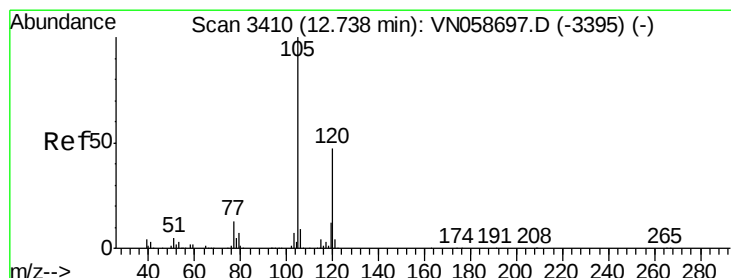
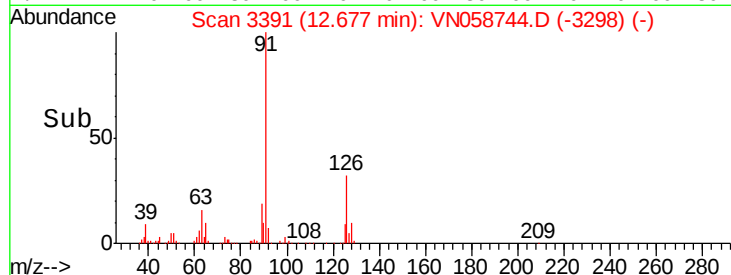
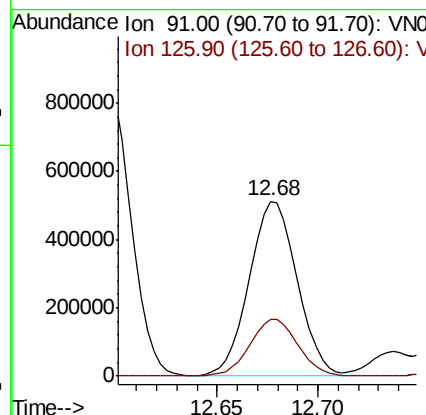
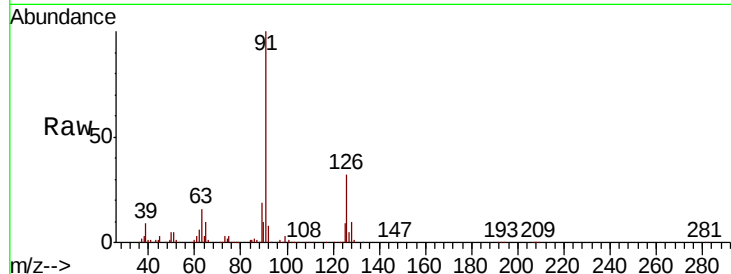




#79
 2-Chlorotoluene
 Concen: 49.720 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

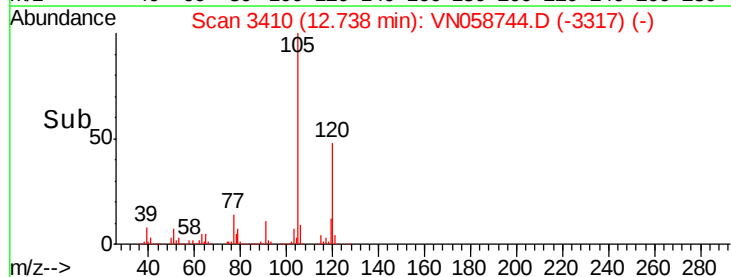
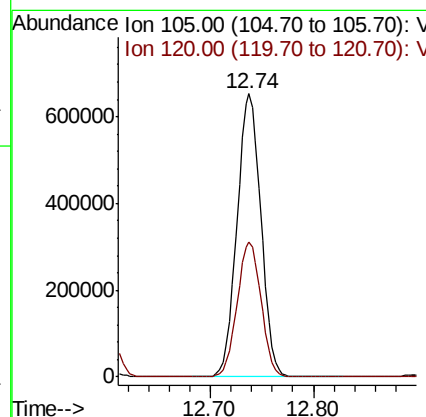
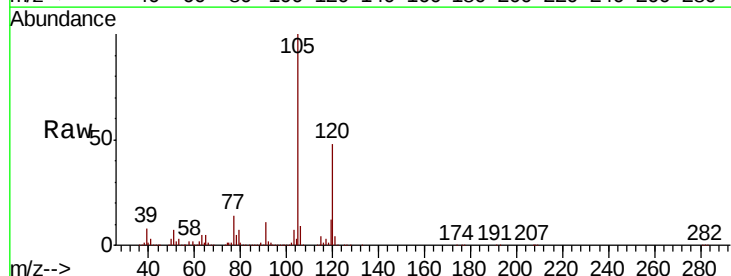
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

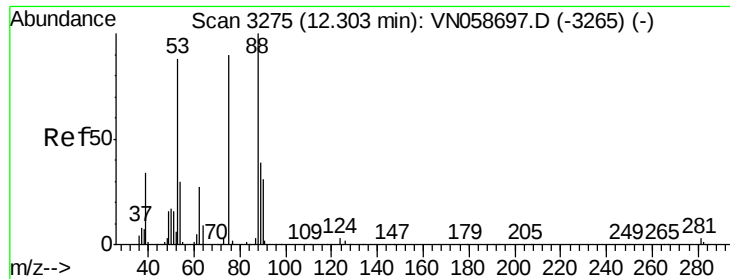
Tot Ion: 91 Resp: 850445
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 52.068 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Tgt Ion: 105 Resp: 1051283
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 49.824 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

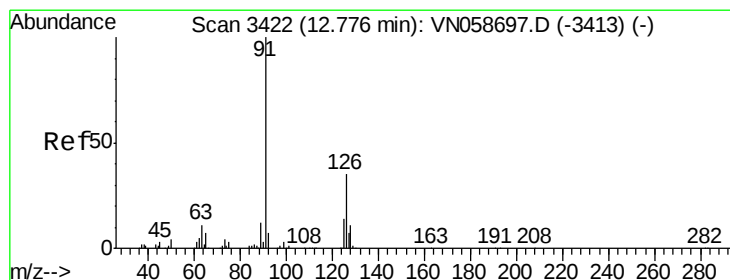
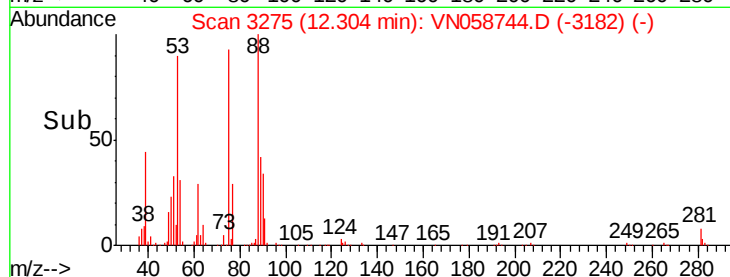
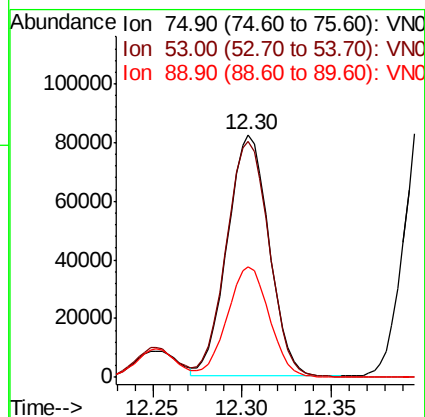
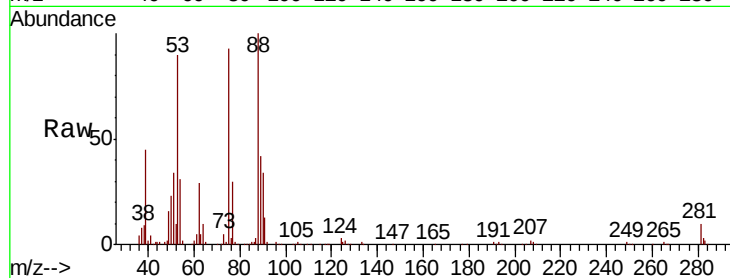
Tot Ion: 75 Resp: 133249

Ion Ratio Lower Upper

75 100

53 100.8 78.4 117.6

89 46.2 34.9 52.3



#82

4-Chlorotoluene

Concen: 51.503 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058744.D

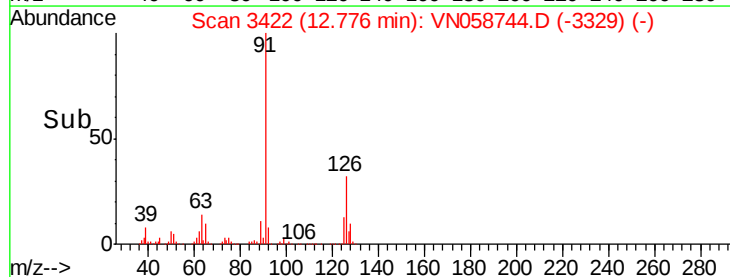
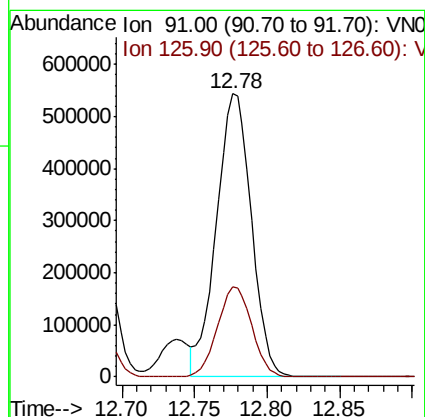
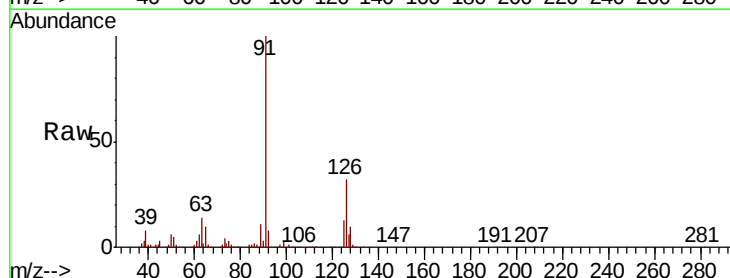
Acq: 14 Oct 2019 12:45

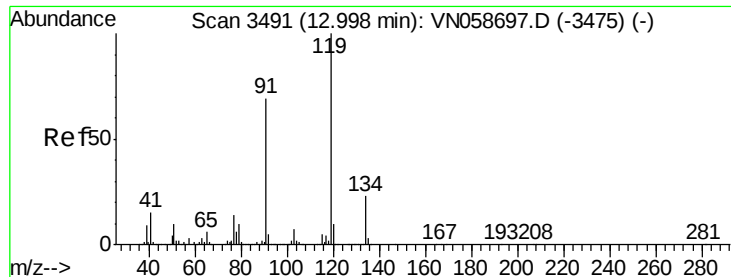
Tgt Ion: 91 Resp: 903983

Ion Ratio Lower Upper

91 100

126 31.4 15.9 47.6





#83

tert-Butylbenzene

Concen: 50.879 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

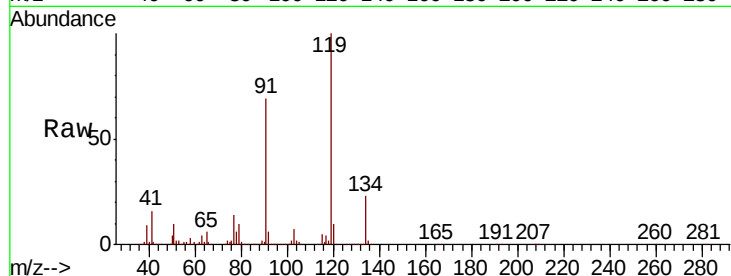
Tot Ion:119 Resp: 880052

Ion Ratio Lower Upper

119 100

91 67.8 33.8 101.3

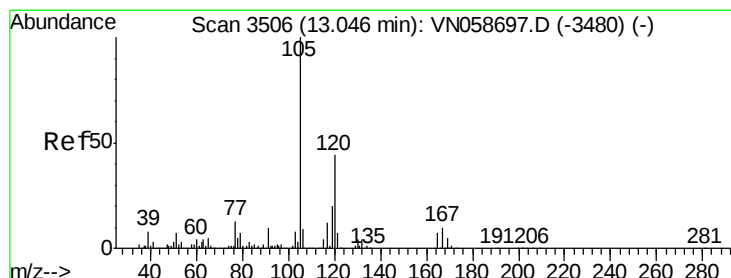
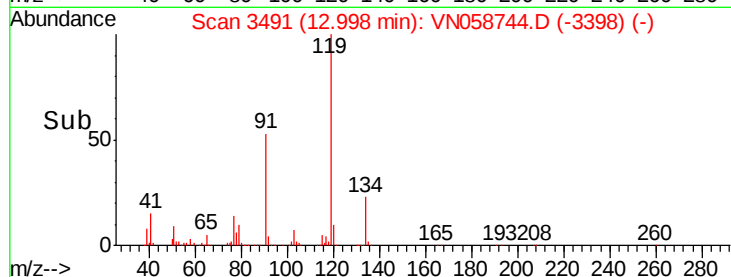
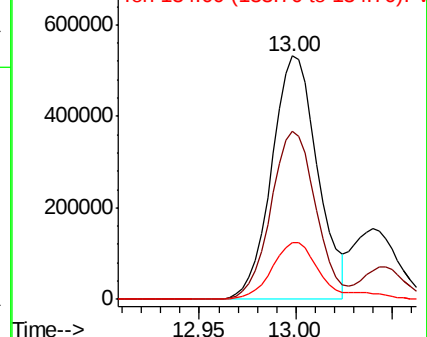
134 23.5 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.143 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058744.D

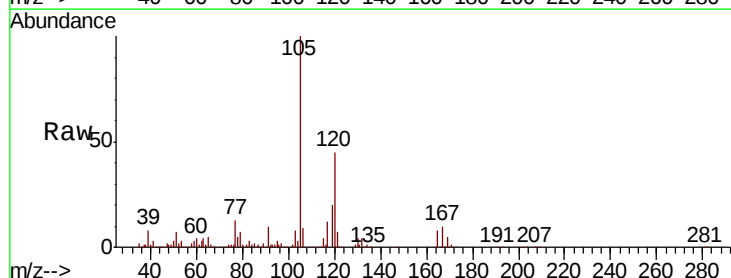
Acq: 14 Oct 2019 12:45

Tgt Ion:105 Resp: 1065203

Ion Ratio Lower Upper

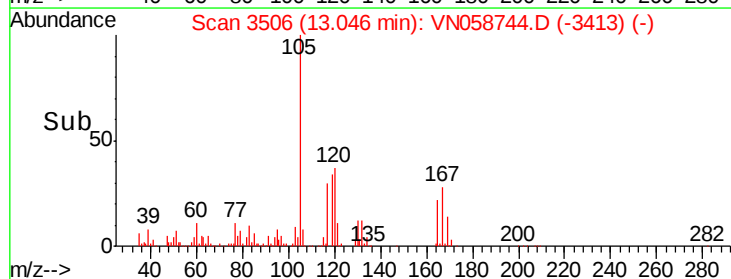
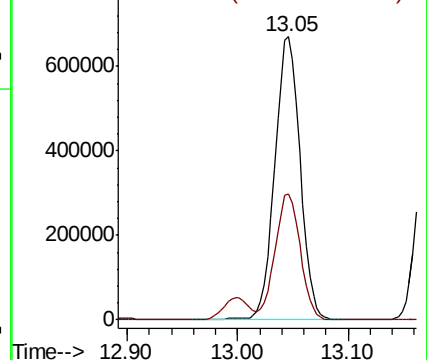
105 100

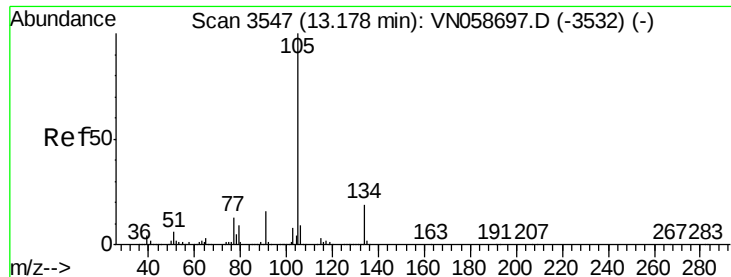
120 44.3 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.138 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

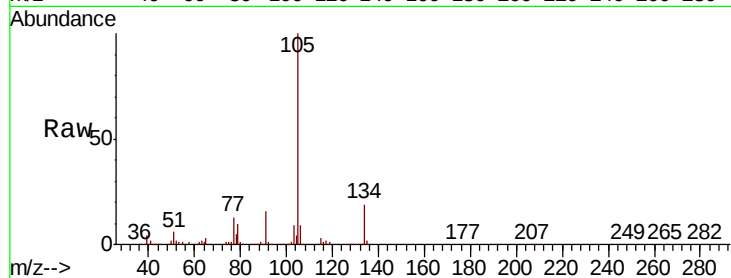
VSTDCCC050

Tot Ion:105 Resp: 1211091

Ion Ratio Lower Upper

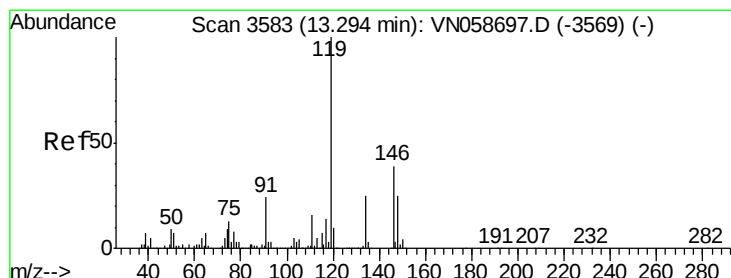
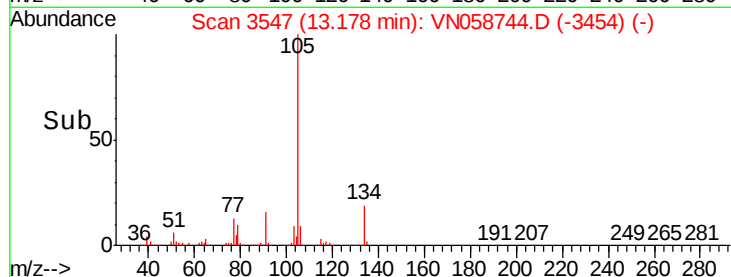
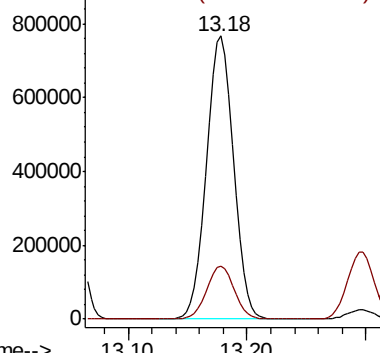
105 100

134 19.1 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: 53.317 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

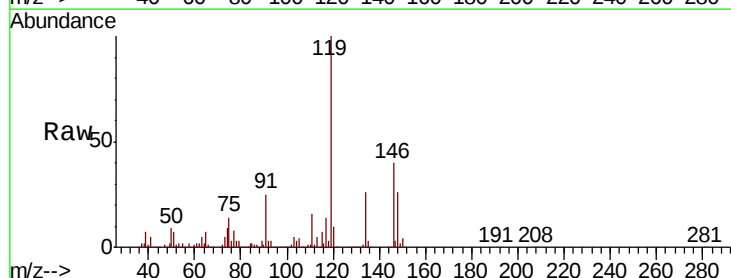
Tgt Ion:119 Resp: 1104427

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.1

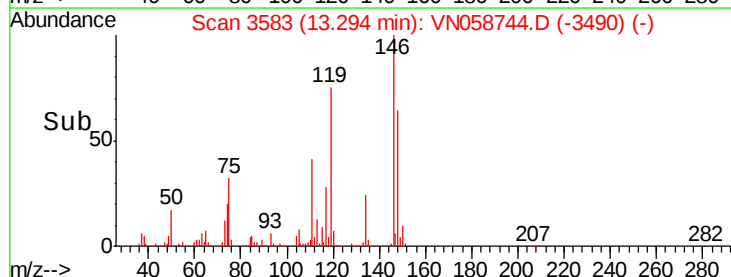
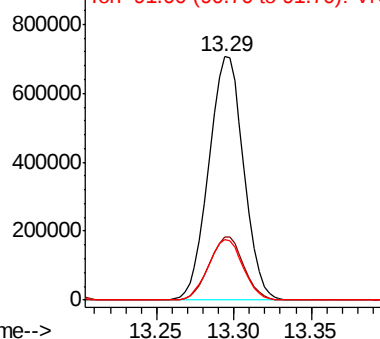
91 24.9 11.9 35.5

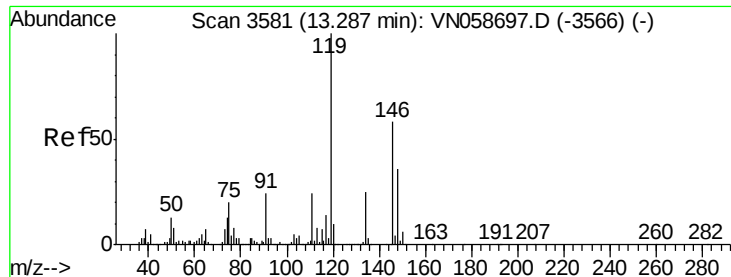


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.495 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

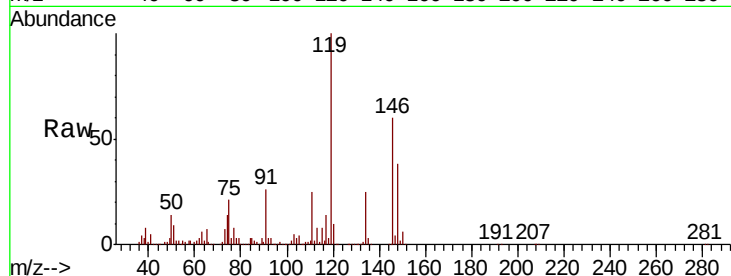
Tot Ion:146 Resp: 535685

Ion Ratio Lower Upper

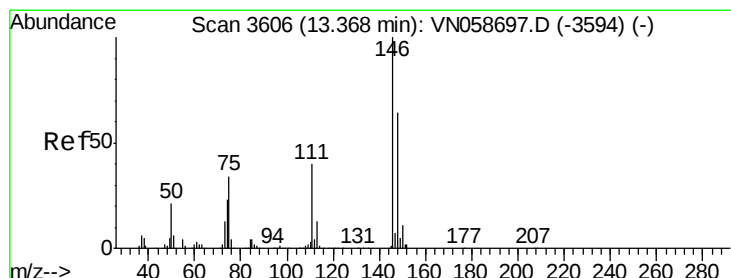
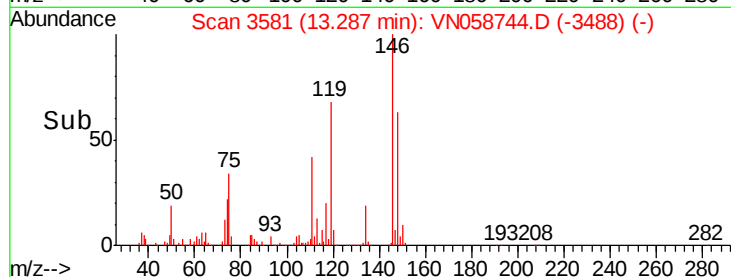
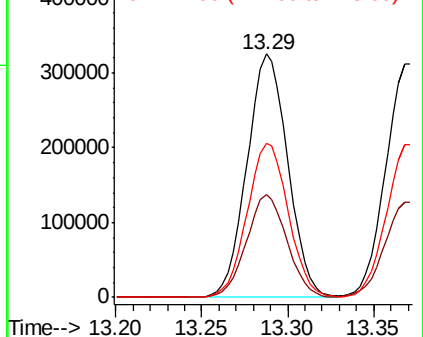
146 100

111 41.8 20.5 61.6

148 63.6 31.3 93.9



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



#88

1,4-Dichlorobenzene

Concen: 48.764 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

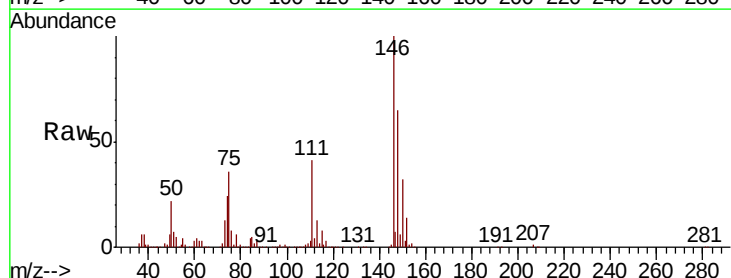
Tgt Ion:146 Resp: 525976

Ion Ratio Lower Upper

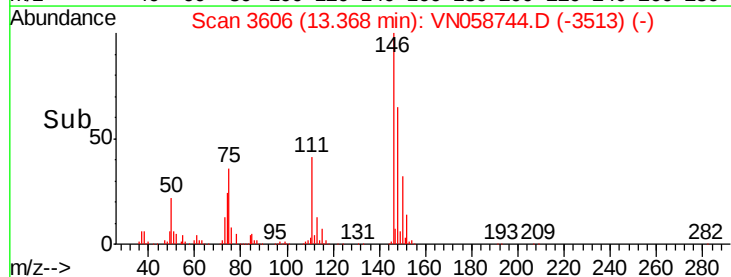
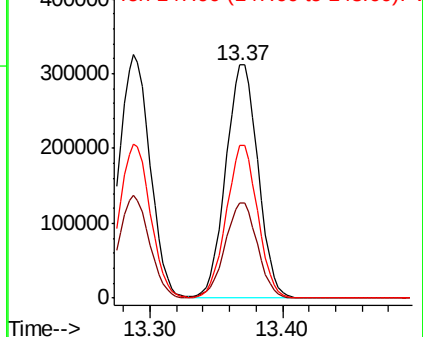
146 100

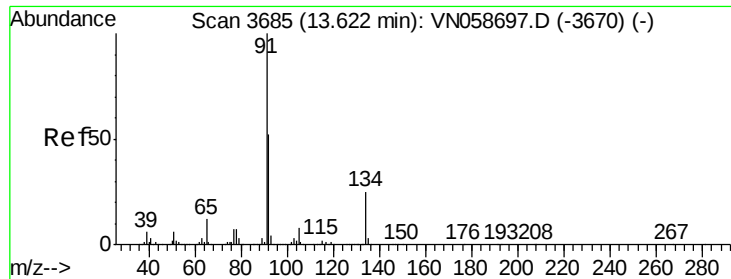
111 41.0 20.1 60.2

148 64.0 31.9 95.7



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





#89

n-Butylbenzene

Concen: 52.934 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

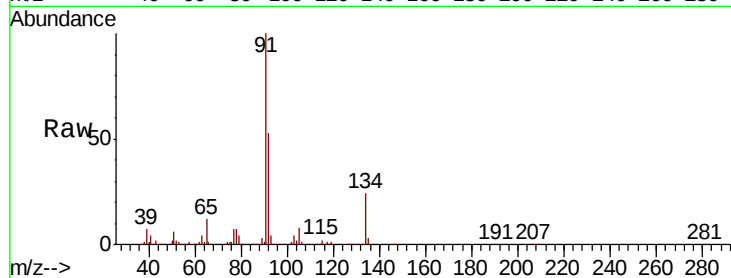
Tot Ion: 91 Resp: 1013878

Ion Ratio Lower Upper

91 100

92 52.1 26.0 78.0

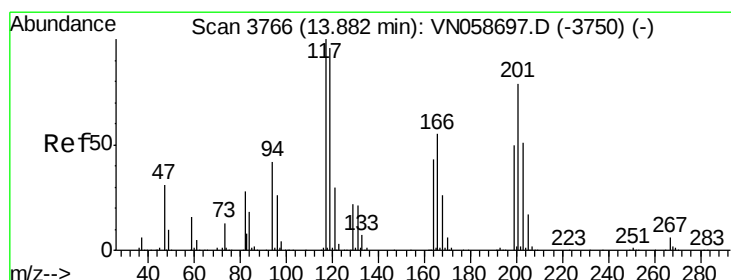
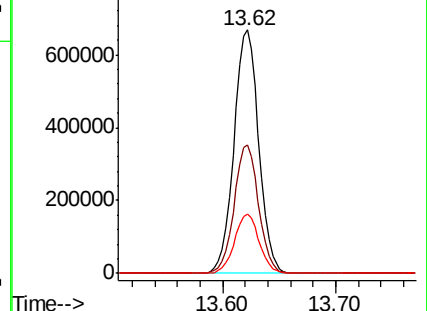
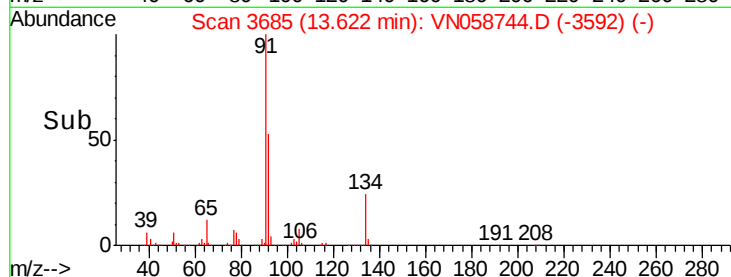
134 24.2 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058744.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN058744.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN058744.D (-3670) (-)



#90

Hexachloroethane

Concen: 52.192 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058744.D

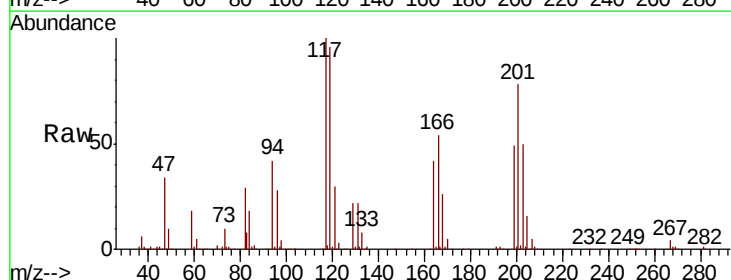
Acq: 14 Oct 2019 12:45

Tgt Ion: 117 Resp: 193448

Ion Ratio Lower Upper

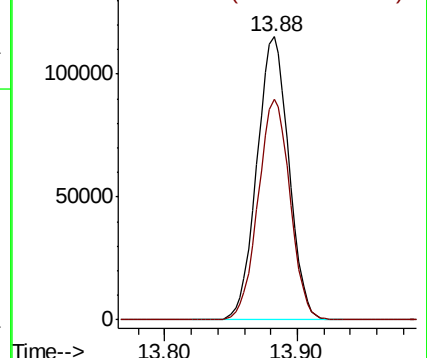
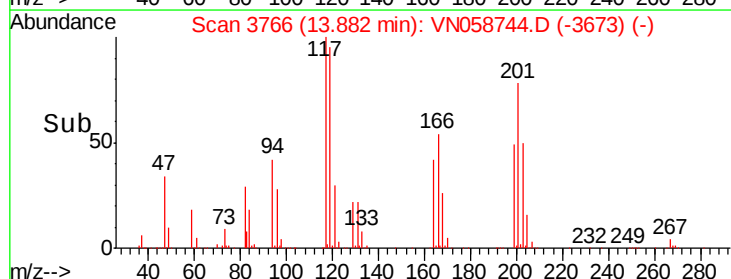
117 100

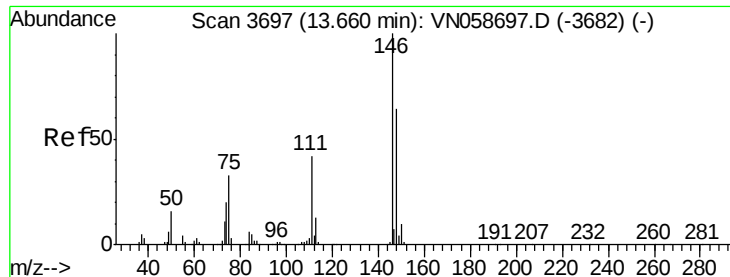
201 77.9 39.6 118.7



Abundance Ion 116.80 (116.50 to 117.50): VN058744.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058744.D (-3750) (-)

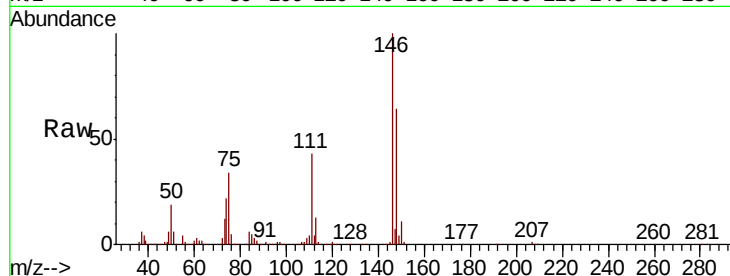




#91
 1,2-Dichlorobenzene
 Concen: 50.220 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.4
148	63.9	31.8	95.3

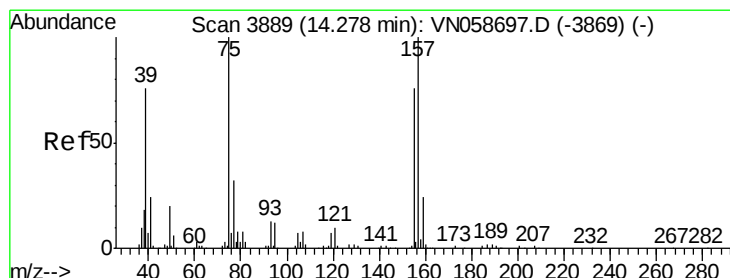
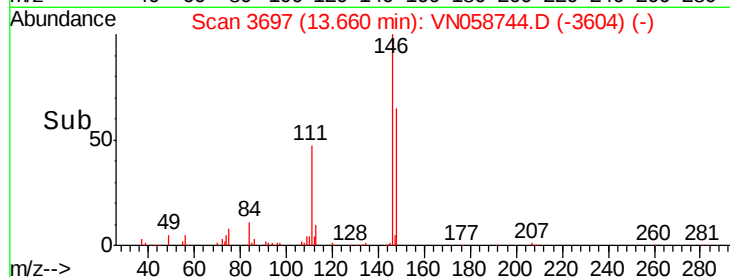
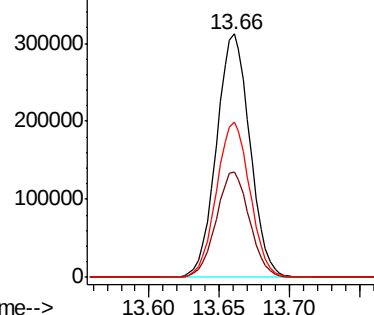


Abundance

Ion 145.90 (145.60 to 146.60): V

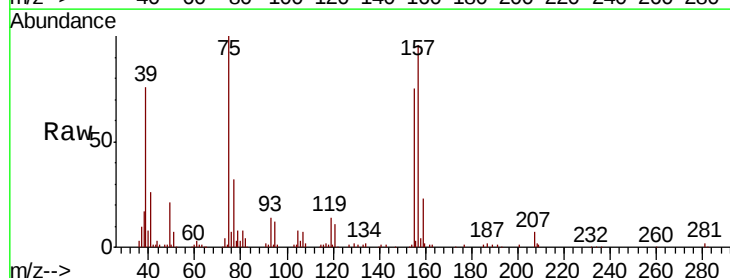
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.898 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	37.9	113.6
157	93.3	49.4	148.2

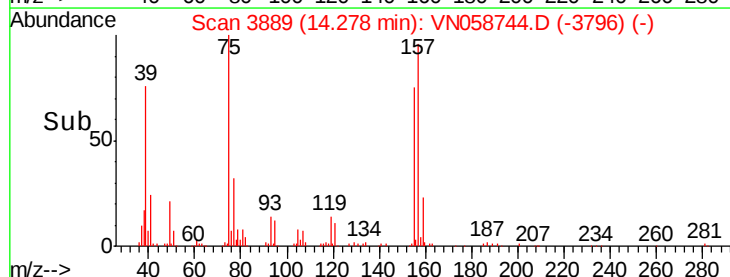
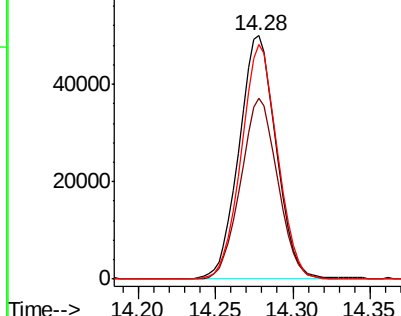


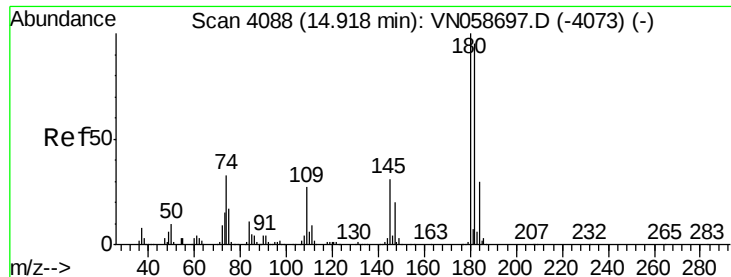
Abundance

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

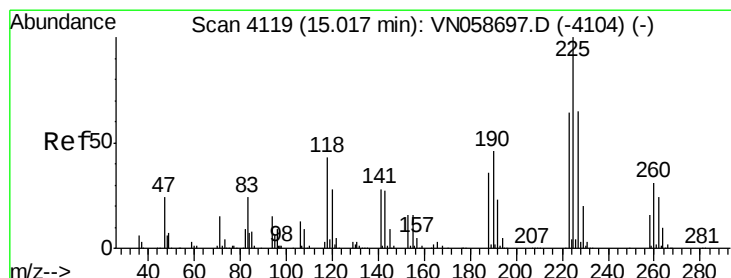
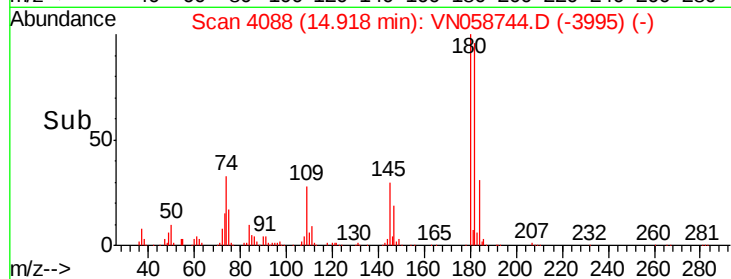
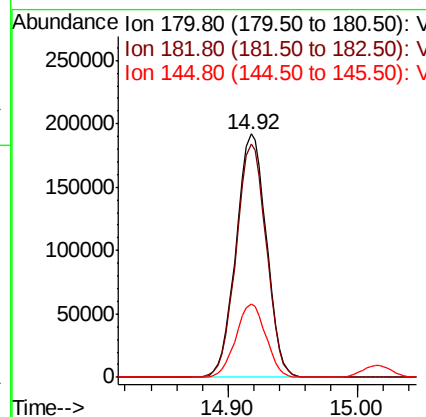
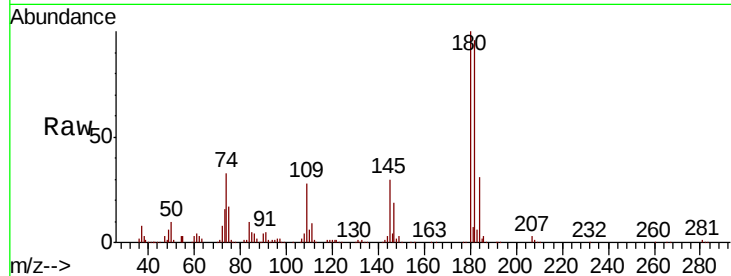




#93
 1,2,4-Trichlorobenzene
 Concen: 49.624 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

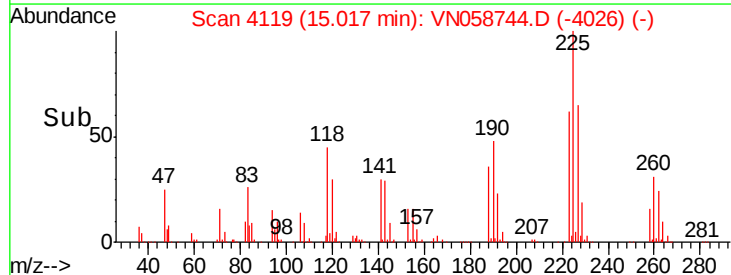
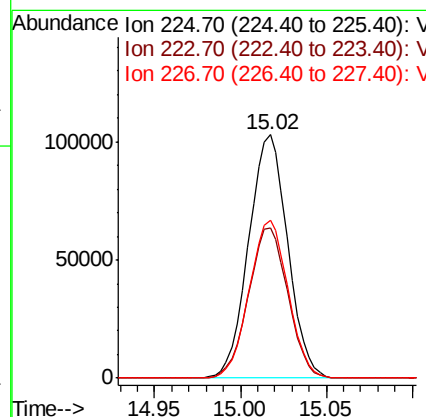
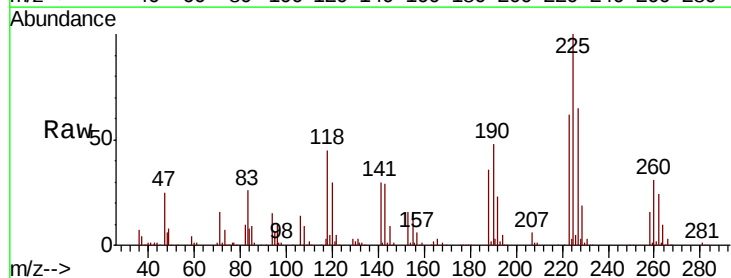
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

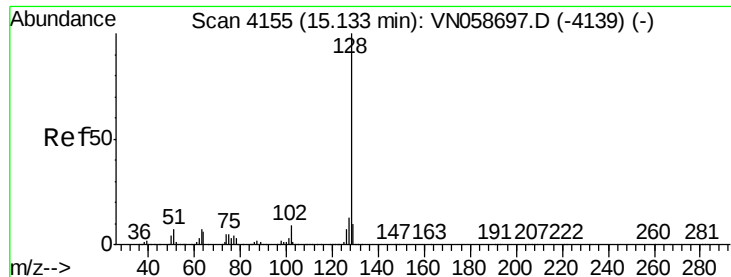
Tot Ion:180 Resp: 312991
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.4 142.2
 145 29.9 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 48.905 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058744.D
 Acq: 14 Oct 2019 12:45

Tgt Ion:225 Resp: 162437
 Ion Ratio Lower Upper
 225 100
 223 62.2 32.3 96.8
 227 64.4 32.4 97.0





#95

Naphthalene

Concen: 47.774 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Instrument :

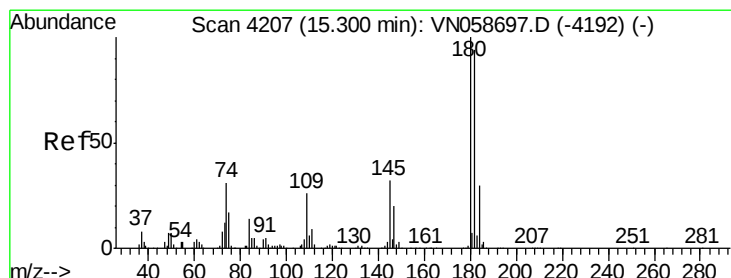
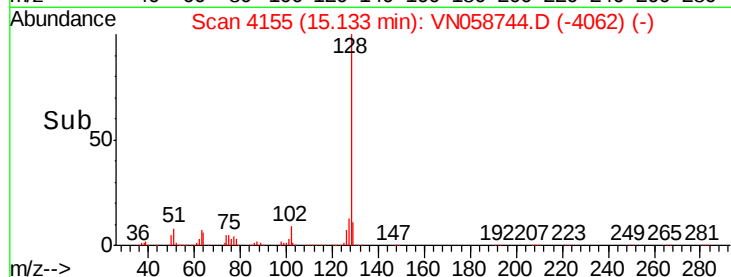
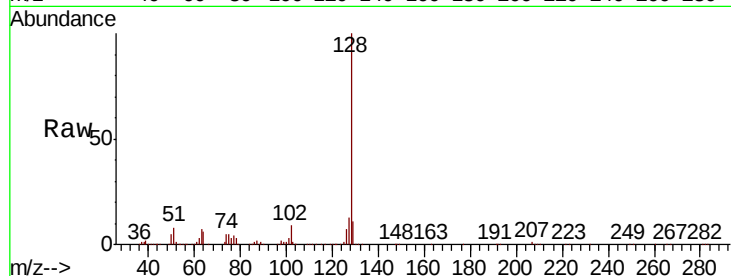
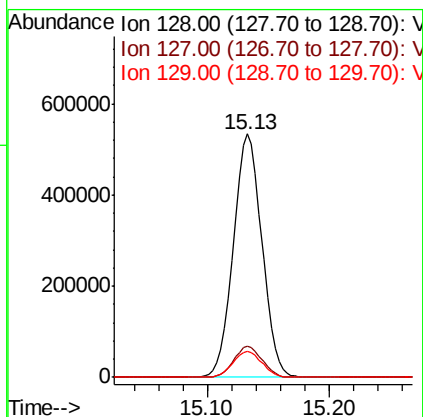
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 865987

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.5	12.7



#96

1,2,3-Trichlorobenzene

Concen: 47.752 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058744.D

Acq: 14 Oct 2019 12:45

Tgt Ion:180 Resp: 294050

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	142.0
145	32.7	16.2	48.6

