

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058698.D
 Acq On : 11 Oct 2019 12:58
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 11 23:33:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	478967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	772112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	723401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	649370	93.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.48%	
35) Dibromofluoromethane	7.57	113	473452	100.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.50%	
50) Toluene-d8	10.08	98	1914104	103.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.30%	
62) 4-Bromofluorobenzene	12.40	95	741485	109.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	588342	109.583	ug/l	98
3) Chloromethane	2.04	50	659272	110.210	ug/l	99
4) Vinyl Chloride	2.17	62	696170	118.397	ug/l	100
5) Bromomethane	2.53	94	392427	121.480	ug/l	99
6) Chloroethane	2.67	64	413663	117.135	ug/l	99
7) Trichlorofluoromethane	2.99	101	796333	113.481	ug/l	98
8) Diethyl Ether	3.39	74	301243	101.972	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	454055	98.207	ug/l	98
10) Methyl Iodide	3.93	142	664460	123.557	ug/l	100
11) Tert butyl alcohol	4.76	59	530649	639.129	ug/l	100
12) 1,1-Dichloroethene	3.71	96	443439	98.387	ug/l	95
13) Acrolein	3.58	56	440502	1181.437	ug/l	100
14) Allyl chloride	4.30	41	899907	107.900	ug/l	99
15) Acrylonitrile	4.96	53	1383826	590.501	ug/l	100
16) Acetone	3.79	43	1339261	547.643	ug/l	98
17) Carbon Disulfide	4.03	76	1414124	115.743	ug/l	100
18) Methyl Acetate	4.30	43	677345	109.331	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	1641265	102.487	ug/l	98
20) Methylene Chloride	4.53	84	524728	94.932	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	493580	98.119	ug/l	98
22) Diisopropyl ether	5.93	45	1813909	102.092	ug/l	97
23) Vinyl Acetate	5.87	43	7305828	540.789	ug/l	95
24) 1,1-Dichloroethane	5.82	63	988275	99.020	ug/l	100
25) 2-Butanone	6.81	43	2018619	596.250	ug/l	99
26) 2,2-Dichloropropane	6.80	77	871212	105.144	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	566035	96.751	ug/l	100
28) Bromochloromethane	7.18	49	345600	88.932	ug/l	100
29) Tetrahydrofuran	7.19	42	1304899	604.360	ug/l	100
30) Chloroform	7.35	83	975609	96.888	ug/l	99
31) Cyclohexane	7.63	56	930337	96.098	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	856170	102.751	ug/l	99
36) 1,1-Dichloropropene	7.77	75	773874	104.209	ug/l	99
37) Ethyl Acetate	6.90	43	816676	125.298	ug/l	98
38) Carbon Tetrachloride	7.76	117	757372	111.505	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058698.D
 Acq On : 11 Oct 2019 12:58
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 11 23:33:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	926577	106.550	ug/l	99
40) Benzene	8.02	78	2200121	103.127	ug/l	100
41) Methacrylonitrile	7.19	41	1174262	384.224	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	827792	99.778	ug/l	100
43) Isopropyl Acetate	8.15	43	1358841	112.568	ug/l	100
44) Trichloroethene	8.82	130	543804	103.380	ug/l	99
45) 1,2-Dichloropropane	9.11	63	594085	103.726	ug/l	99
46) Dibromomethane	9.20	93	377130	103.749	ug/l	99
47) Bromodichloromethane	9.39	83	783070	112.805	ug/l	99
48) Methyl methacrylate	9.19	41	637375	116.209	ug/l	99
49) 1,4-Dioxane	9.19	88	191927	2572.412	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3837964	607.070	ug/l	94
52) Toluene	10.15	92	1383751	102.859	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	932373	123.033	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	982177	117.460	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	533312	108.517	ug/l	99
56) Ethyl methacrylate	10.43	69	913688	121.656	ug/l	97
57) 1,3-Dichloropropane	10.70	76	957596	109.173	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	2155084	693.439	ug/l	100
59) 2-Hexanone	10.75	43	3037252	652.449	ug/l	95
60) Dibromochloromethane	10.90	129	603379	127.135	ug/l	100
61) 1,2-Dibromoethane	11.00	107	569061	112.862	ug/l	100
64) Tetrachloroethene	10.63	164	480744	103.313	ug/l	97
65) Chlorobenzene	11.43	112	1458341	101.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	543215	110.880	ug/l	99
67) Ethyl Benzene	11.51	91	2645104	101.311	ug/l	96
68) m/p-Xylenes	11.62	106	2037604	207.410	ug/l	91
69) o-Xylene	11.95	106	976368	103.537	ug/l	97
70) Styrene	11.97	104	1665873	108.731	ug/l	100
71) Bromoform	12.13	173	432995	138.189	ug/l	100
73) Isopropylbenzene	12.25	105	2612287	96.431	ug/l	99
74) N-amyl acetate	12.07	43	1259572	114.607	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	838434	102.777	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1160558	169.212	ug/l #	100
77) Bromobenzene	12.53	156	623678	97.871	ug/l	100
78) n-propylbenzene	12.59	91	3045295	99.366	ug/l	97
79) 2-Chlorotoluene	12.68	91	1849087	97.838	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	2279589	100.223	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	315374	134.150	ug/l	98
82) 4-Chlorotoluene	12.78	91	1942203	100.452	ug/l	99
83) tert-Butylbenzene	13.00	119	1939141	101.027	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2275127	99.842	ug/l	98
85) sec-Butylbenzene	13.18	105	2583649	101.929	ug/l	99
86) p-Isopropyltoluene	13.29	119	2381614	106.265	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	1166548	100.587	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1167616	101.366	ug/l	99
89) n-Butylbenzene	13.62	91	2231279	109.245	ug/l	98
90) Hexachloroethane	13.88	117	431459	125.280	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1130708	101.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	186635	125.657	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
Data File : VN058698.D
Acq On : 11 Oct 2019 12:58
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 11 23:33:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 11 23:28:43 2019
Response via : Initial Calibration

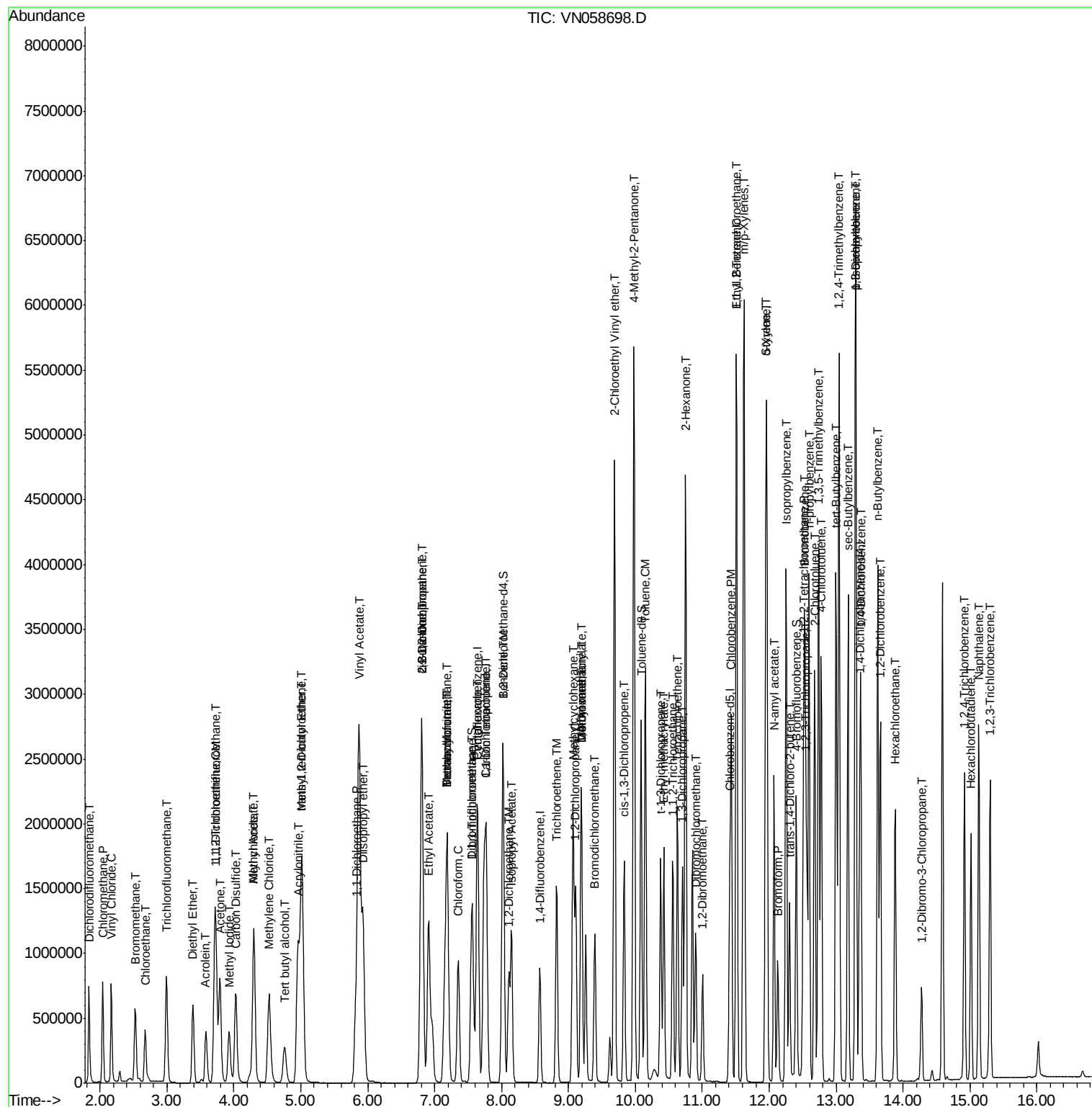
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	732564	117.684	ug/l	100
94) Hexachlorobutadiene	15.01	225	356771	110.029	ug/l	98
95) Naphthalene	15.13	128	2187569	132.709	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	702178	123.296	ug/l	99

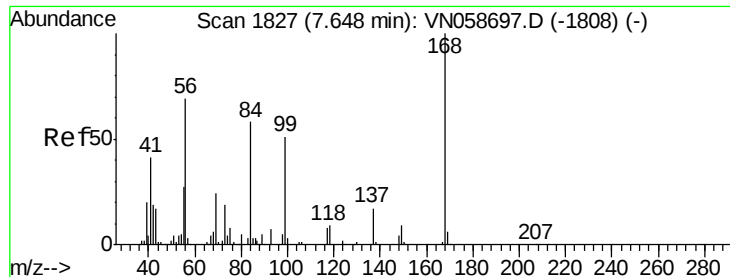
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101319\
Data File : VN058698.D
Acq On : 11 Oct 2019 12:58
Operator : JC/SP
Sample : VSTDICC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Oct 11 23:33:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 11 23:28:43 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

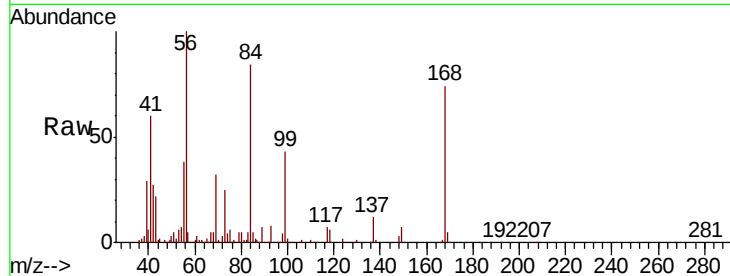
VSTDIC100

Tot Ion:168 Resp: 478967

Ion Ratio Lower Upper

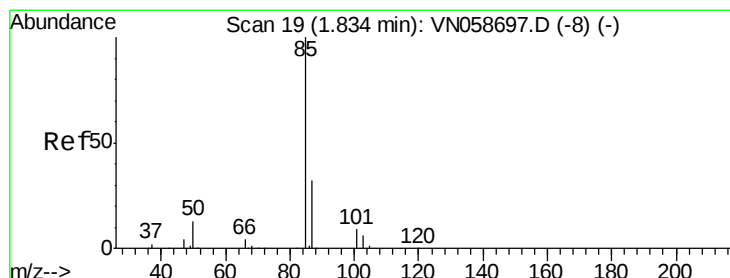
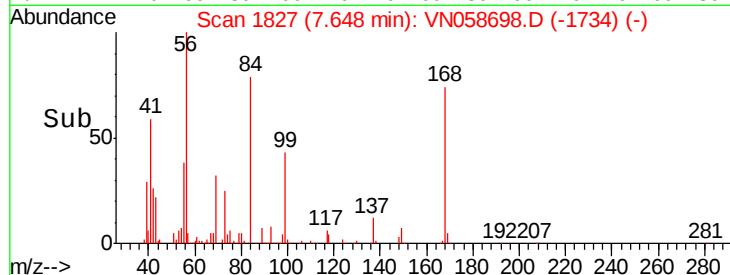
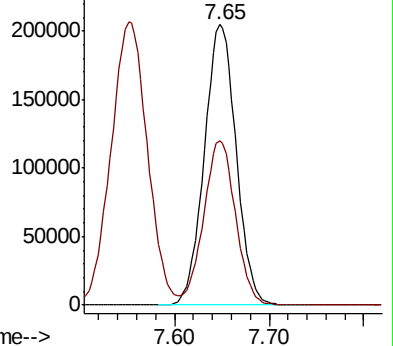
168 100

99 58.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 109.583 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058698.D

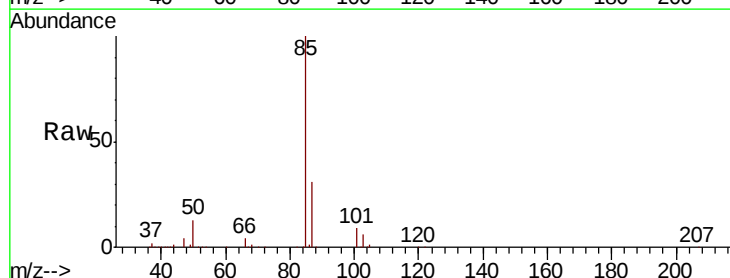
Acq: 11 Oct 2019 12:58

Tgt Ion: 85 Resp: 588342

Ion Ratio Lower Upper

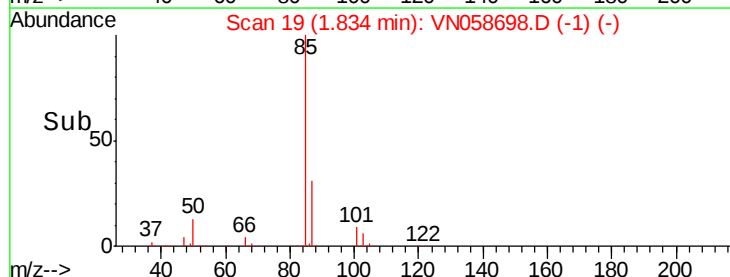
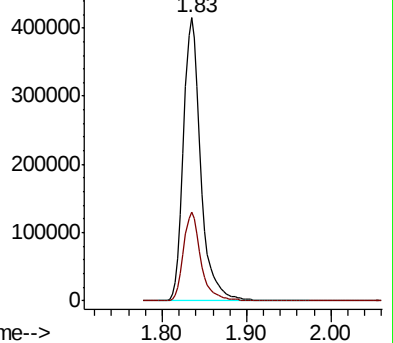
85 100

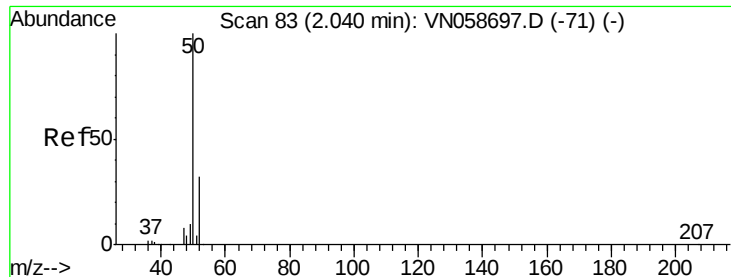
87 31.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 110.210 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

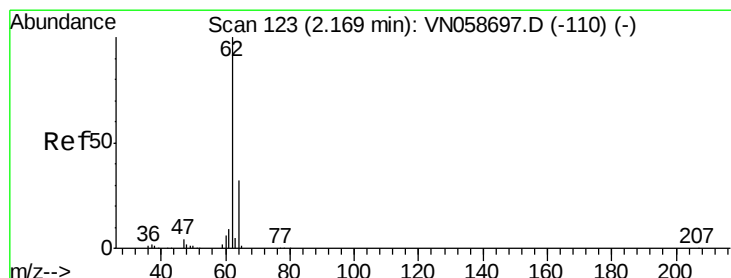
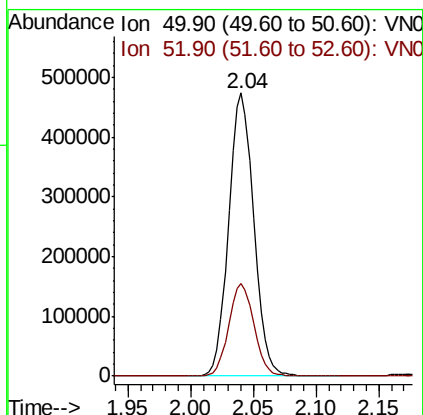
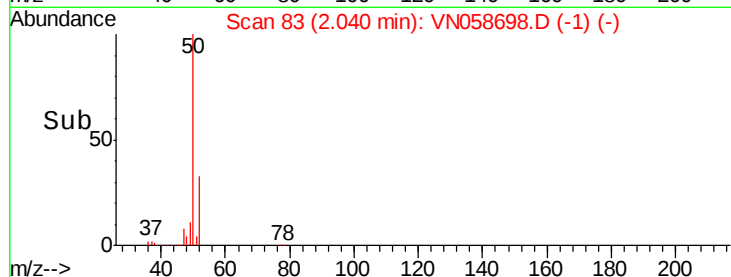
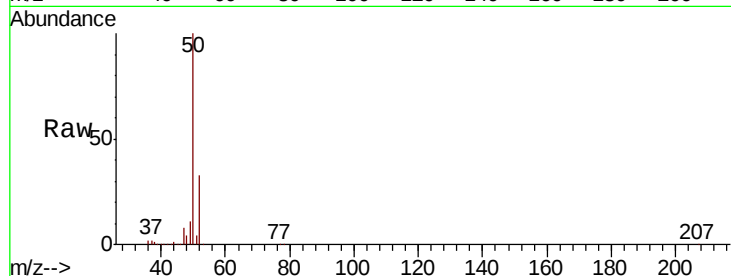
VSTDIC100

Tot Ion: 50 Resp: 659272

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.6



#4

Vinyl Chloride

Concen: 118.397 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058698.D

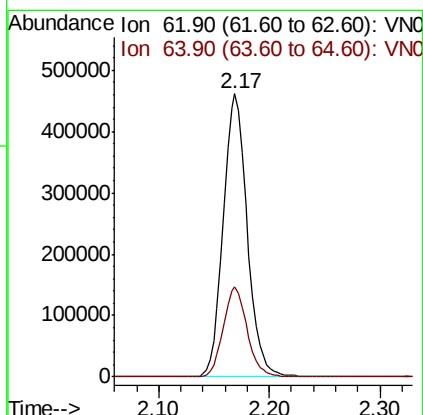
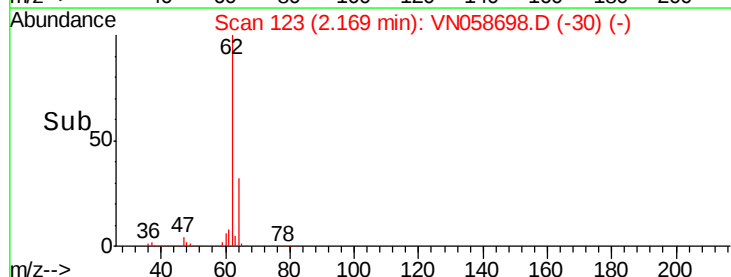
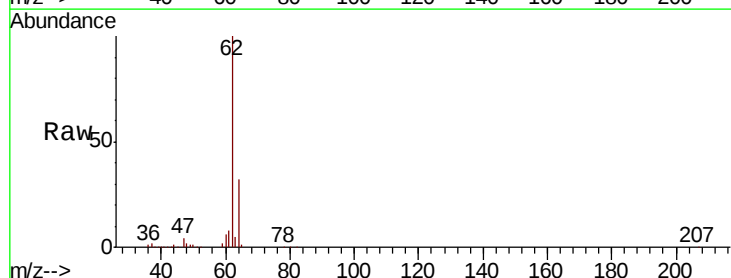
Acq: 11 Oct 2019 12:58

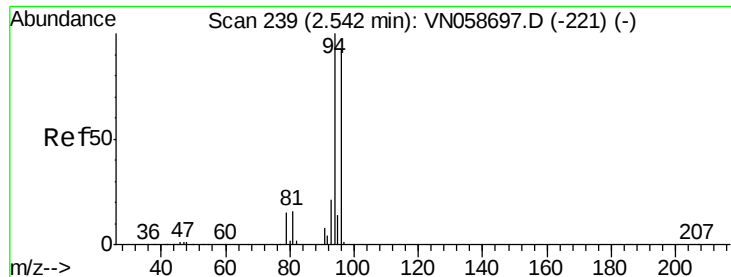
Tgt Ion: 62 Resp: 696170

Ion Ratio Lower Upper

62 100

64 31.9 25.3 37.9





#5

Bromomethane

Concen: 121.480 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.02 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

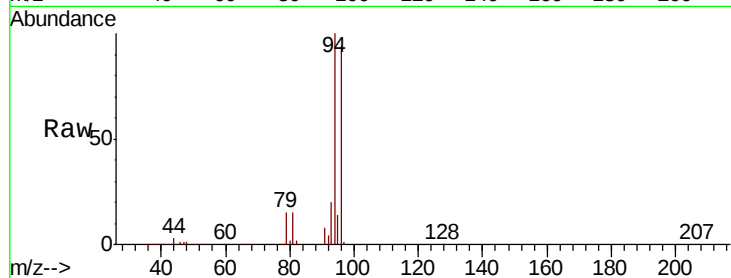
VSTDIC100

Tot Ion: 94 Resp: 392427

Ion Ratio Lower Upper

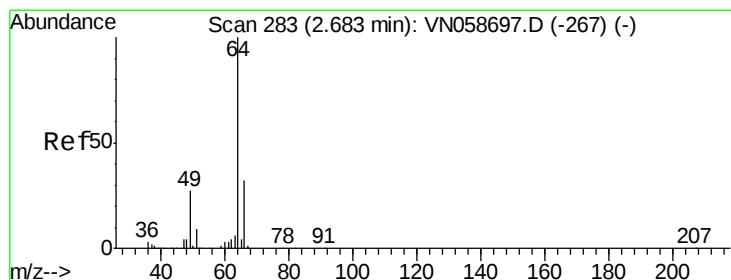
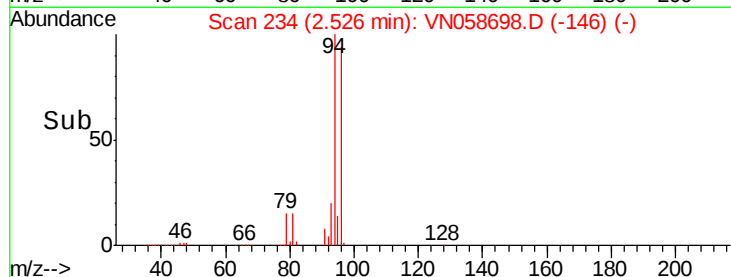
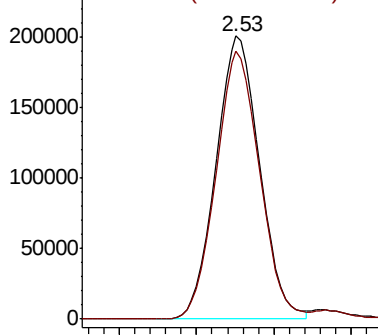
94 100

96 94.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 117.135 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN058698.D

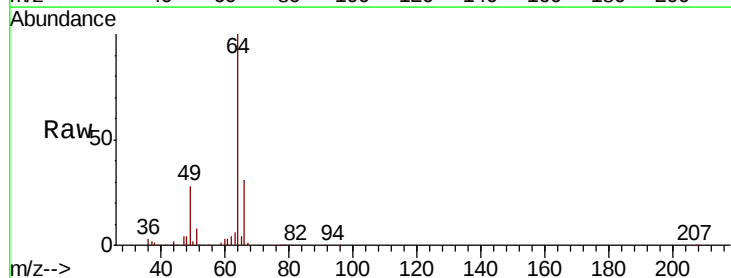
Acq: 11 Oct 2019 12:58

Tgt Ion: 64 Resp: 413663

Ion Ratio Lower Upper

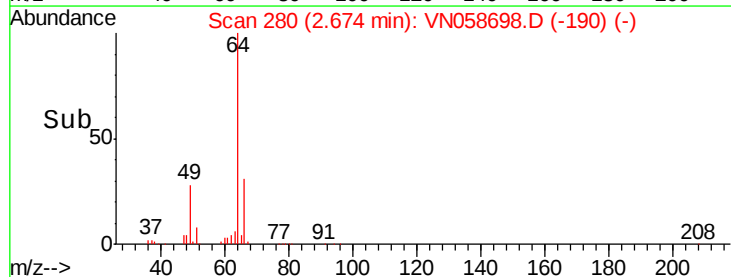
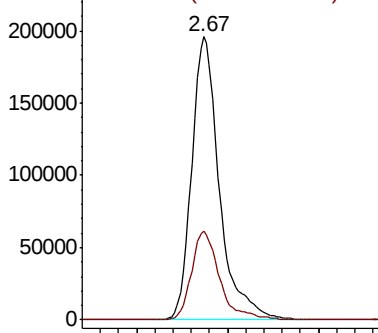
64 100

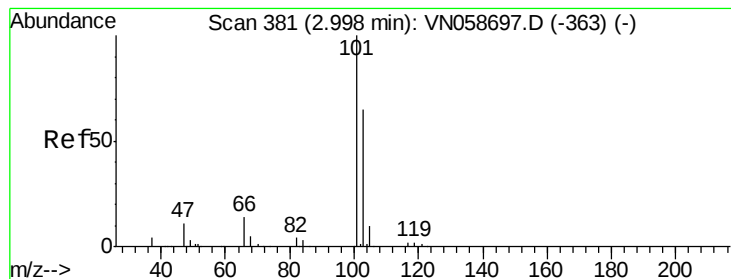
66 31.4 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



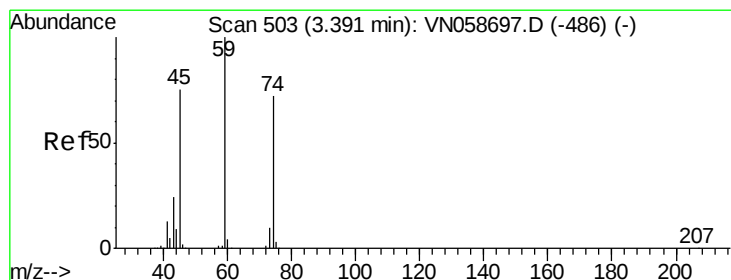
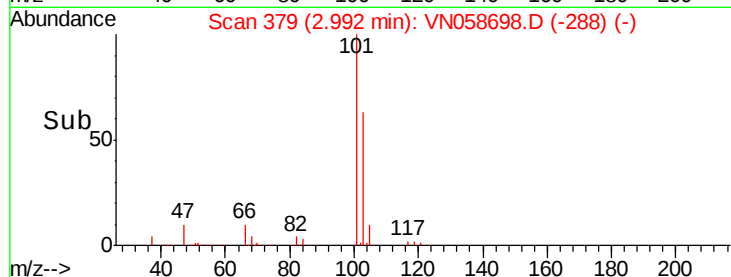
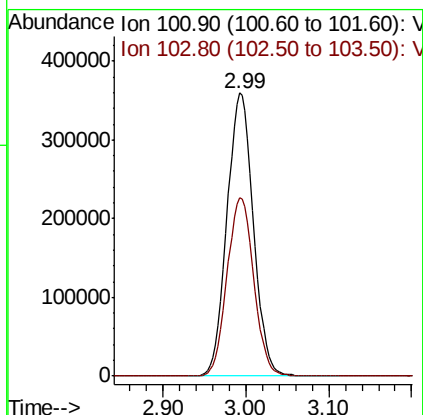
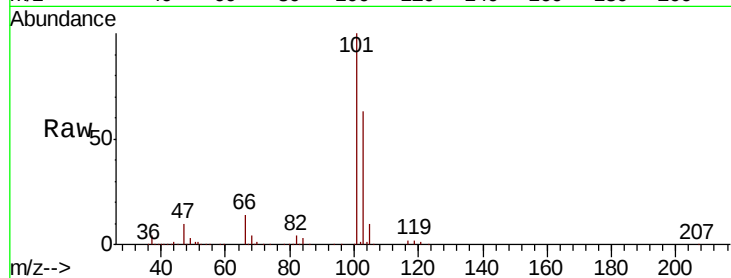


#7

Trichlorofluoromethane
 Concen: 113.481 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

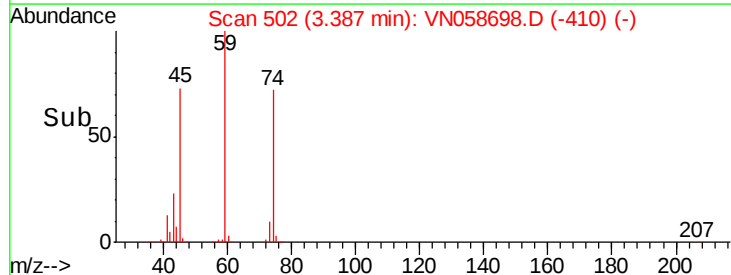
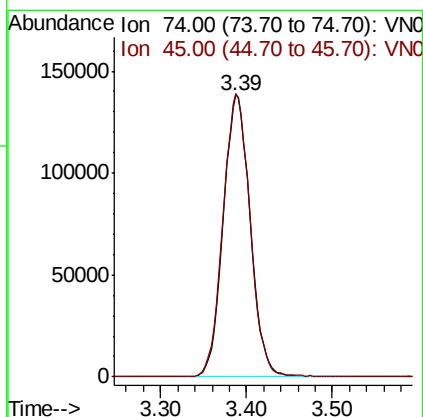
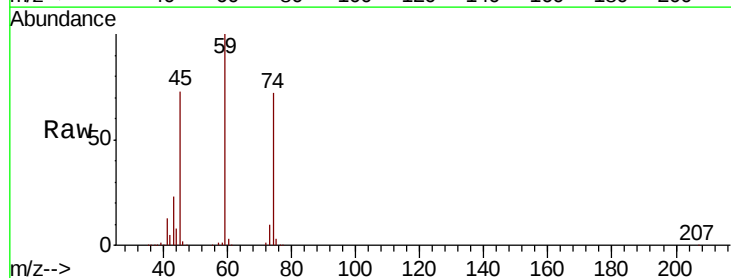
Tot Ion:101 Resp: 796333
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.8 77.6

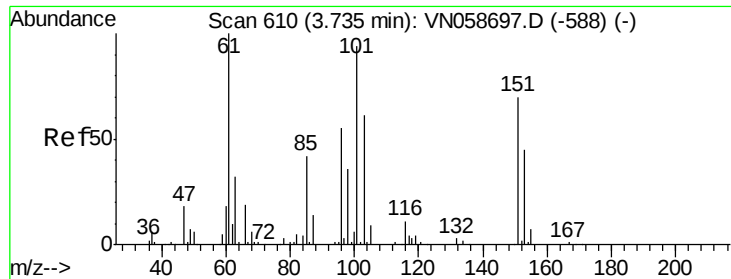


#8

Diethyl Ether
 Concen: 101.972 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion: 74 Resp: 301243
 Ion Ratio Lower Upper
 74 100
 45 100.1 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.207 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

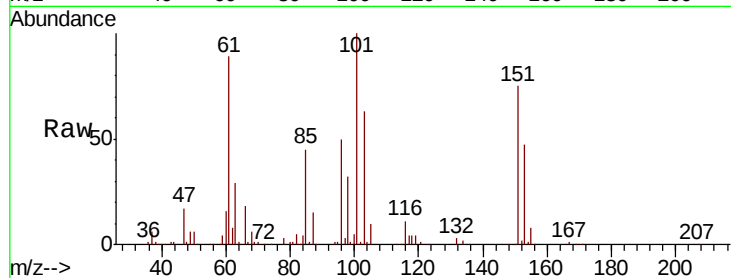
Tot Ion:101 Resp: 454055

Ion Ratio Lower Upper

101 100

85 45.5 37.0 55.6

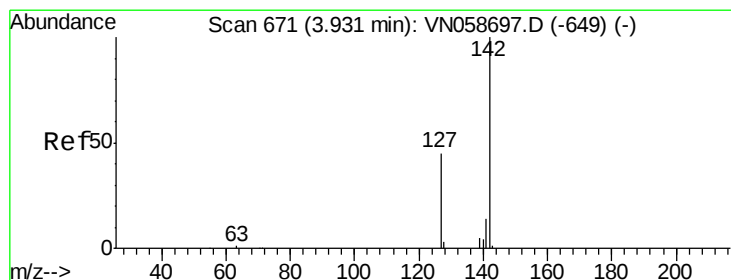
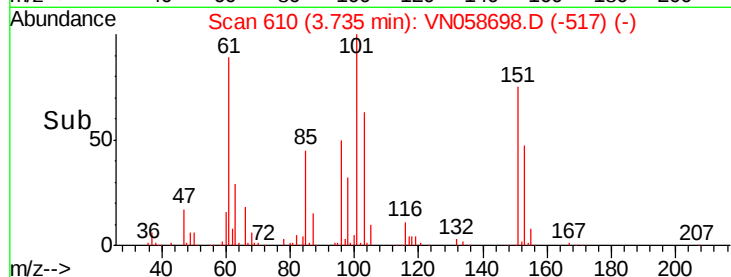
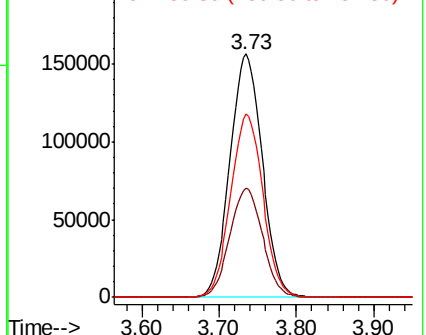
151 75.2 61.8 92.6



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: 123.557 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

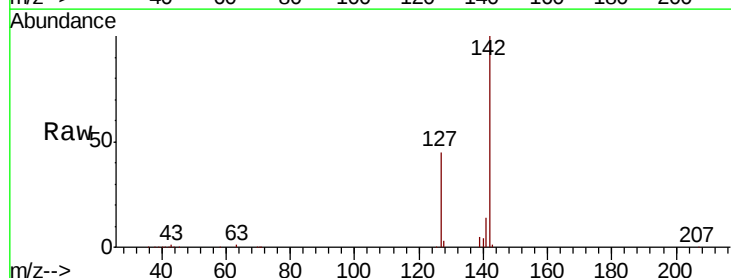
Tgt Ion:142 Resp: 664460

Ion Ratio Lower Upper

142 100

127 45.8 36.4 54.6

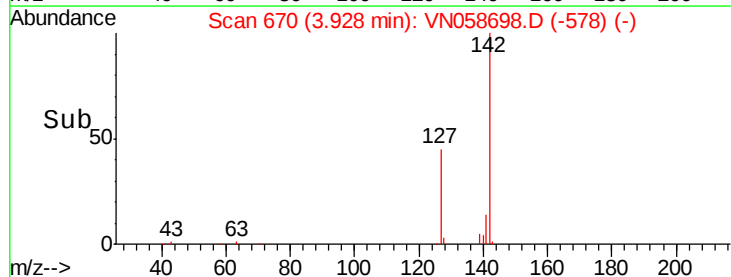
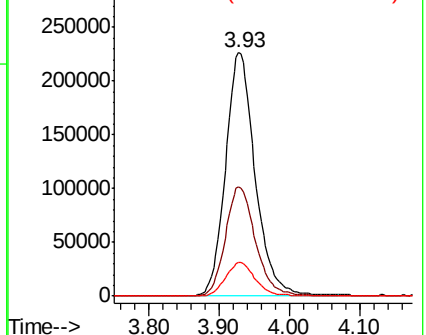
141 13.9 11.1 16.7

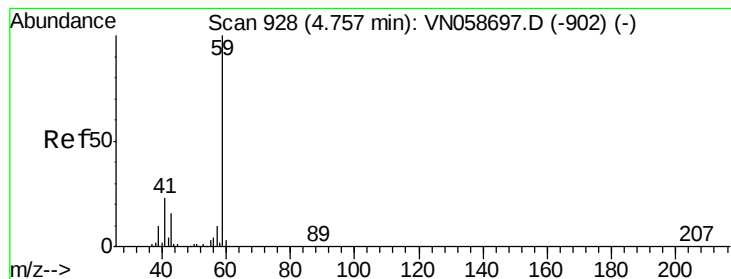


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



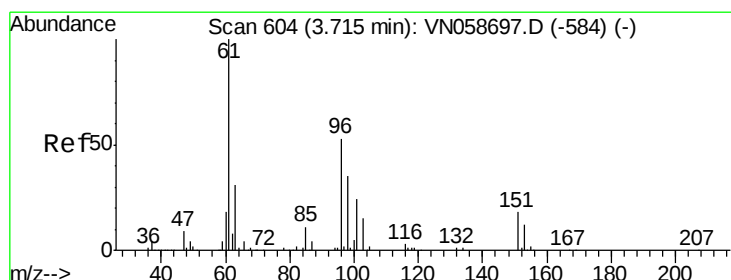
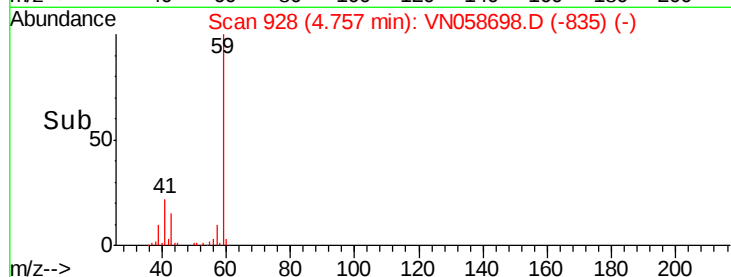
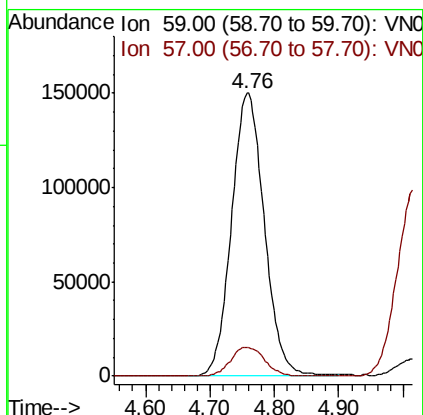
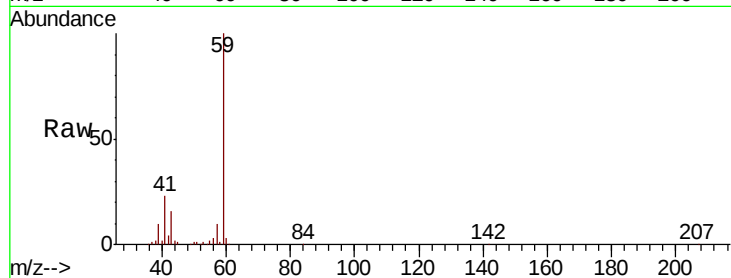


#11

Tert butyl alcohol
 Concen: 639.129 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

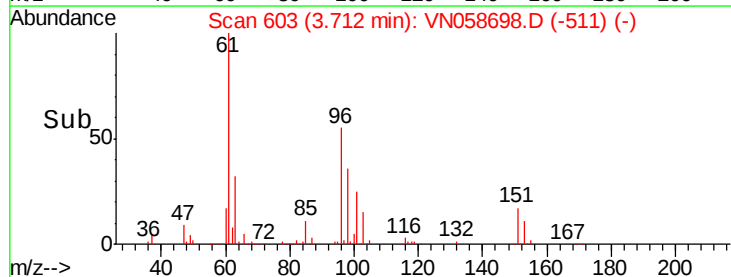
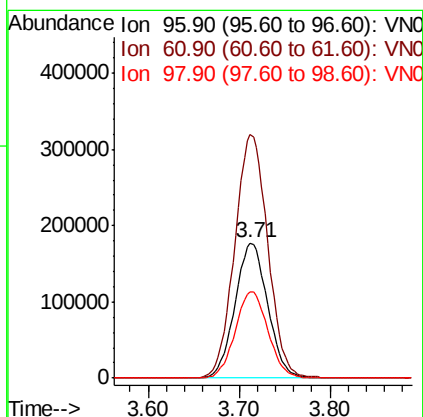
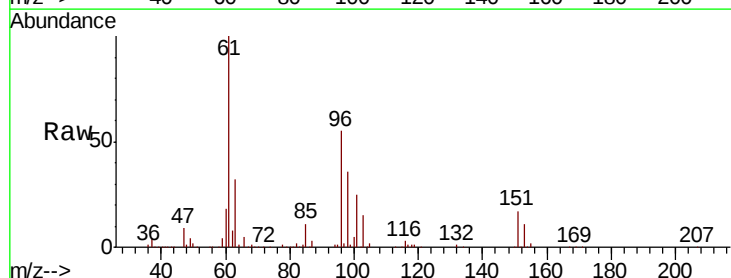
Tot Ion: 59 Resp: 530649
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

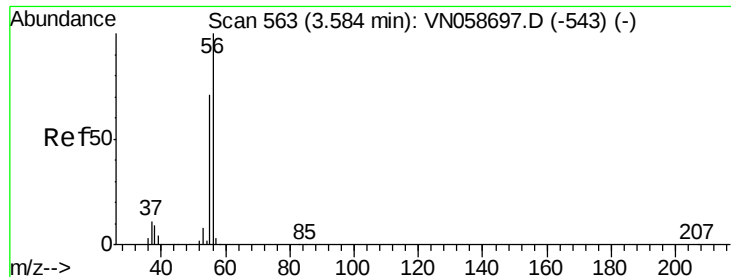


#12

1,1-Dichloroethene
 Concen: 98.387 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion: 96 Resp: 443439
 Ion Ratio Lower Upper
 96 100
 61 180.5 151.3 226.9
 98 64.1 52.6 78.8





#13

Acrolein

Concen: 1181.437 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

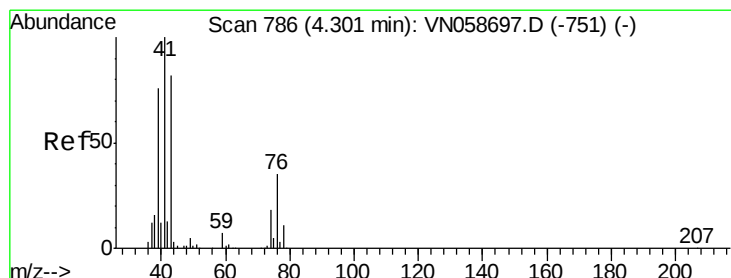
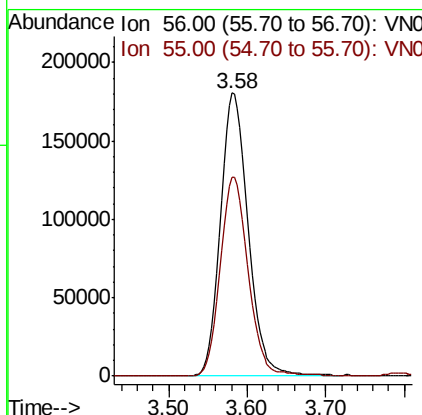
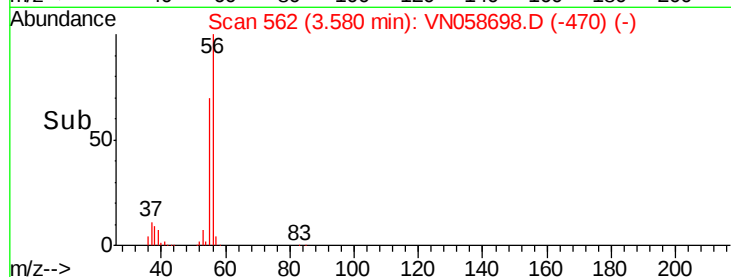
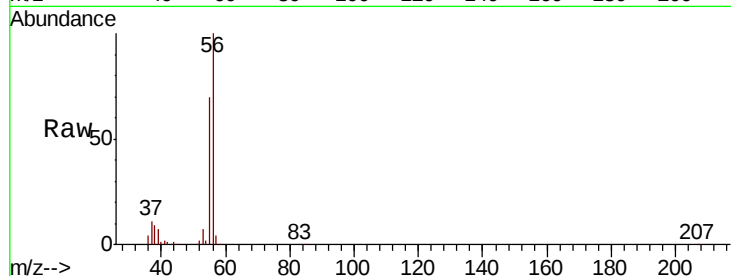
VSTDIC100

Tot Ion: 56 Resp: 440502

Ion Ratio Lower Upper

56 100

55 70.9 56.7 85.1



#14

Allyl chloride

Concen: 107.900 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

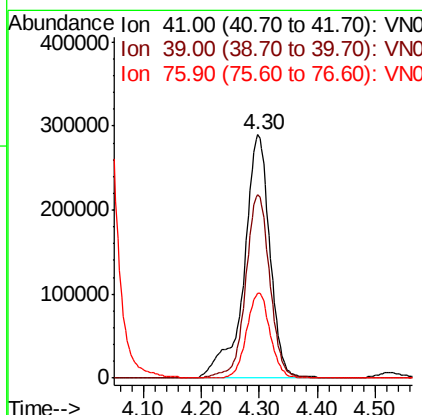
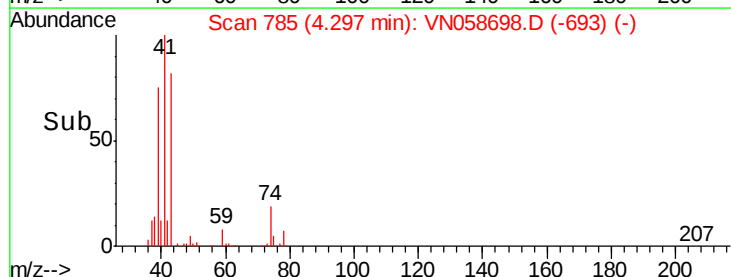
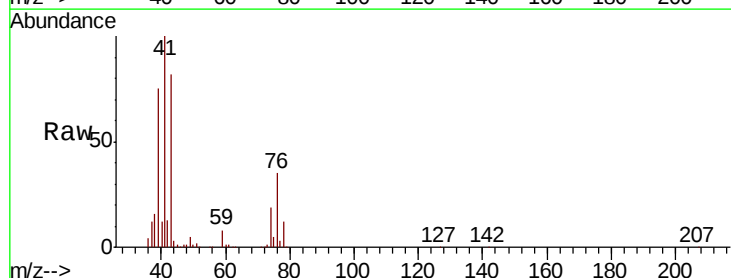
Tgt Ion: 41 Resp: 899907

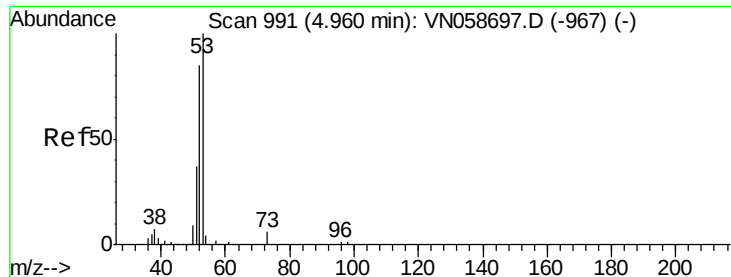
Ion Ratio Lower Upper

41 100

39 70.3 57.2 85.8

76 31.4 25.0 37.6





#15

Acrylonitrile

Concen: 590.501 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

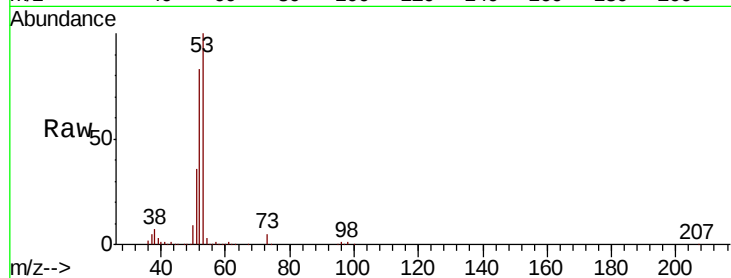
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1383826

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.2	99.2
51	36.5	29.4	44.2

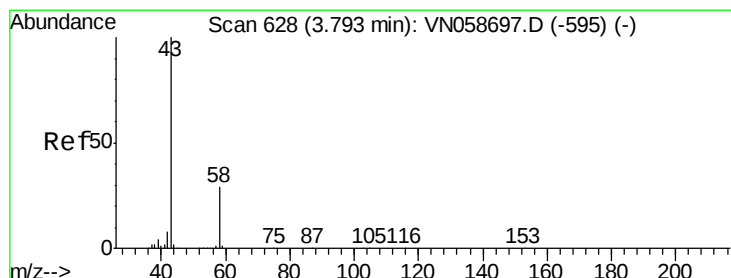
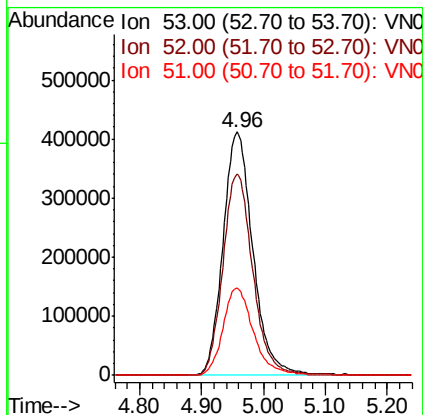
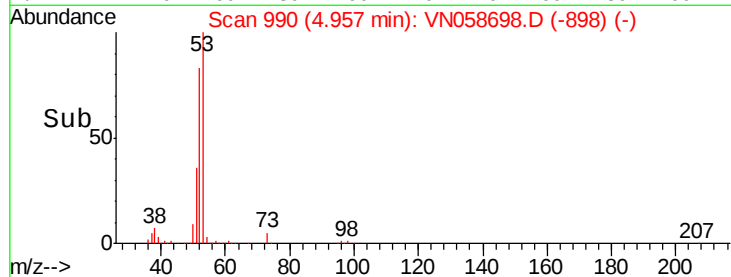


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 547.643 ug/l

RT: 3.79 min Scan# 628

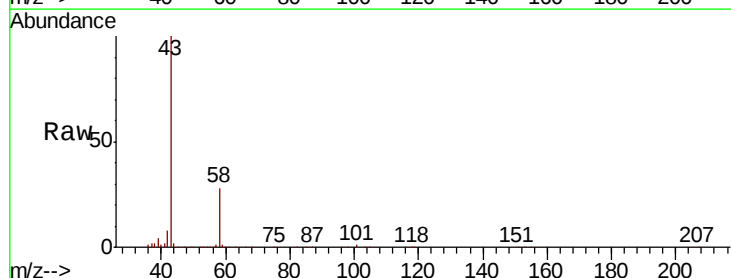
Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Tgt Ion: 43 Resp: 1339261

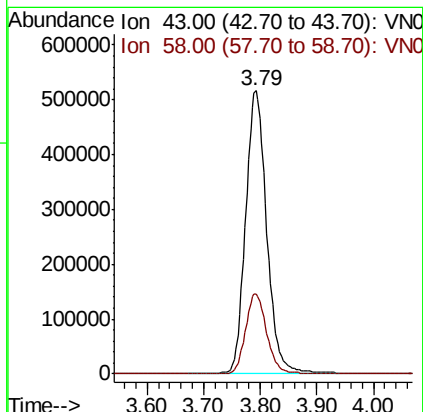
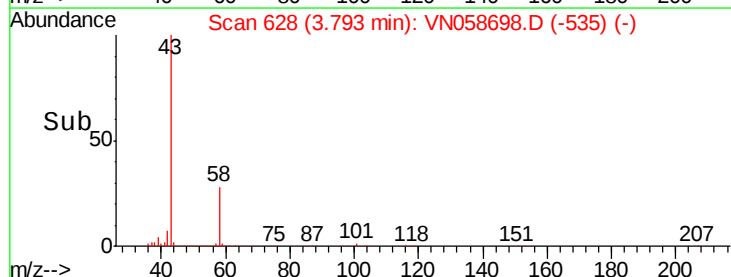
Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.3	34.9

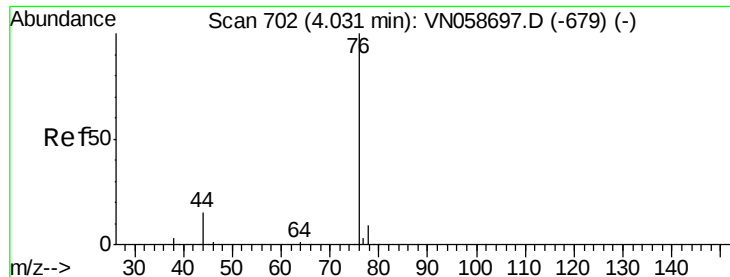


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

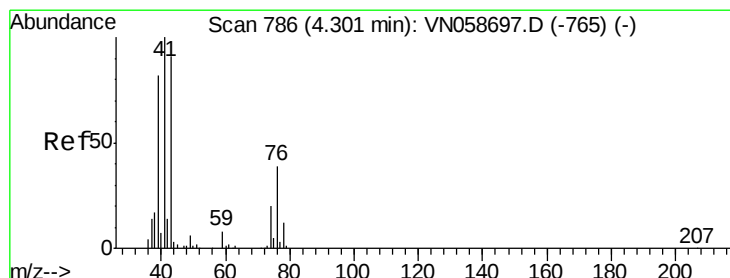
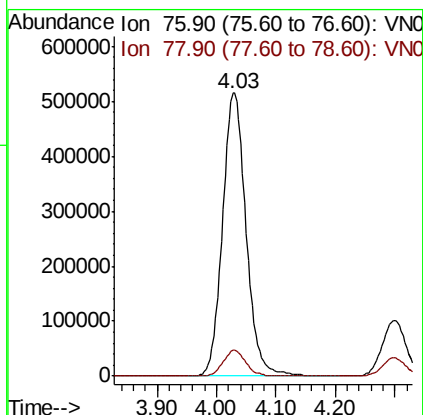
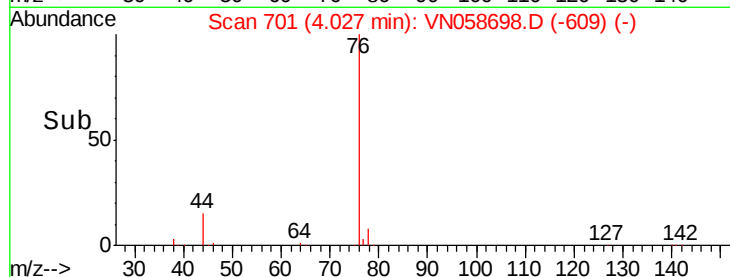
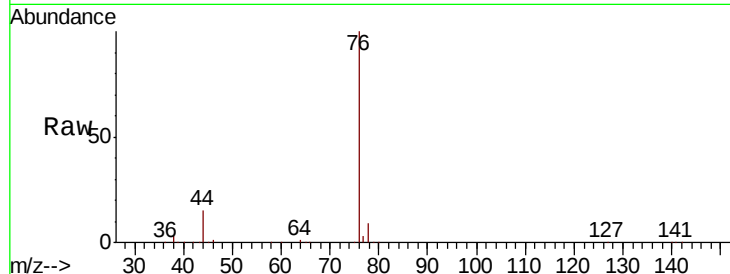




#17
Carbon Disulfide
Concen: 115.743 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

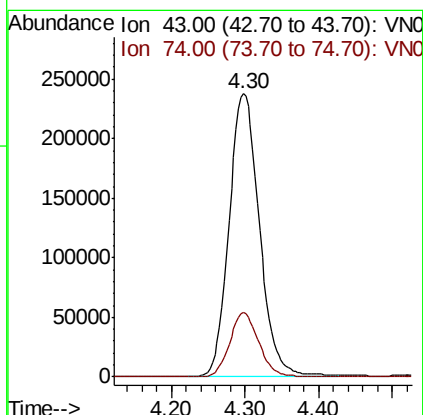
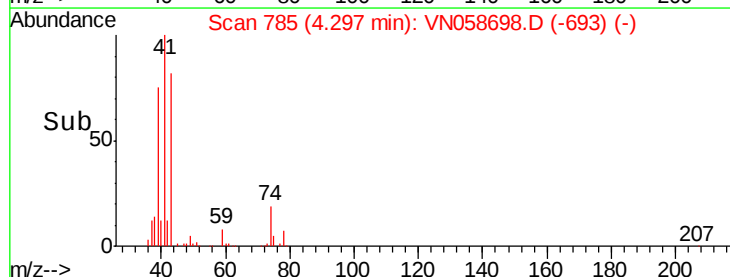
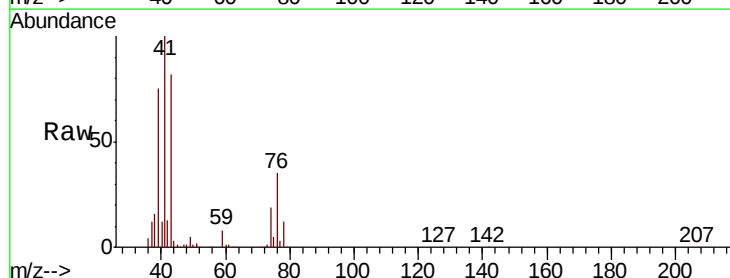
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

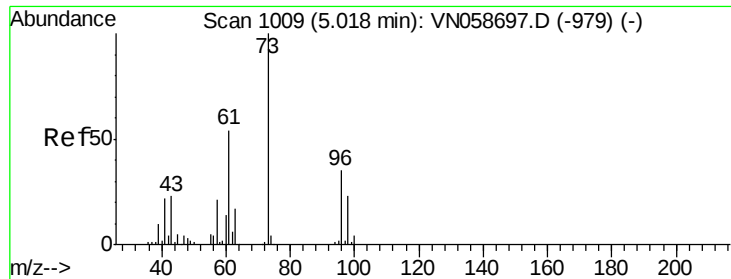
Tot Ion: 76 Resp: 1414124
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 109.331 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 43 Resp: 677345
Ion Ratio Lower Upper
43 100
74 22.0 17.2 25.8

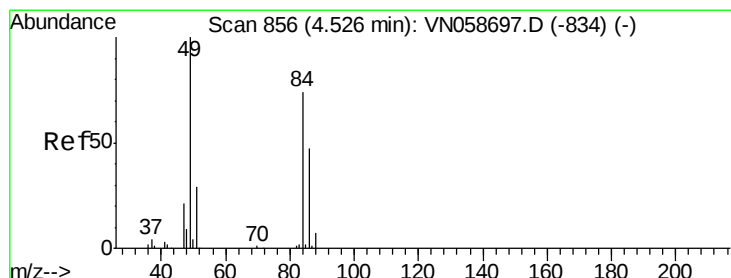
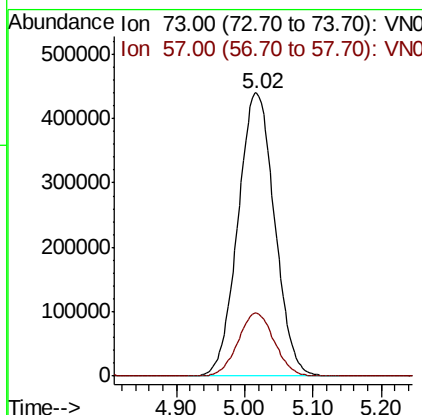
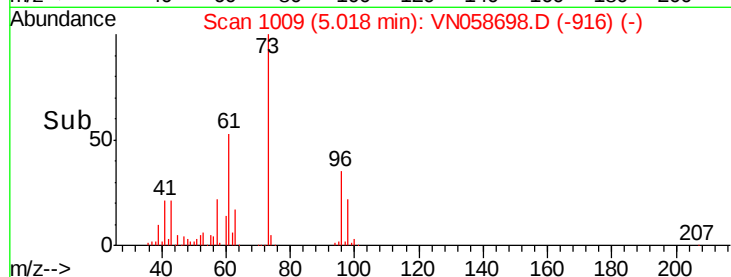
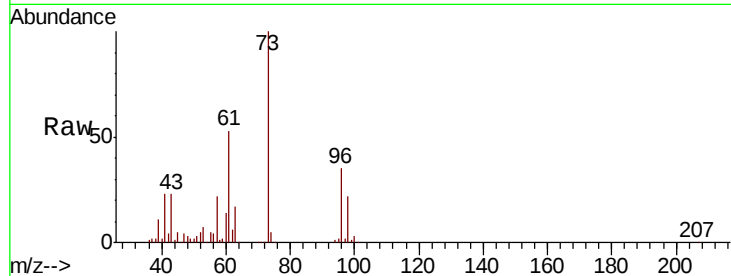




#19
Methvl tert-butvl Ether
Concen: 102.487 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

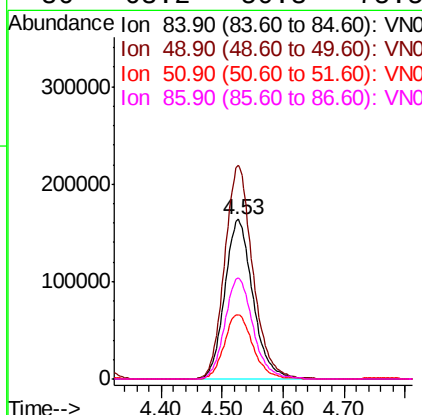
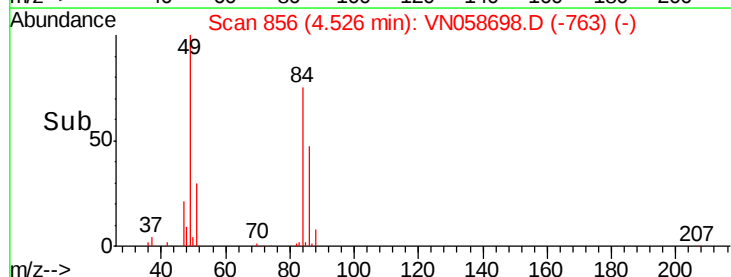
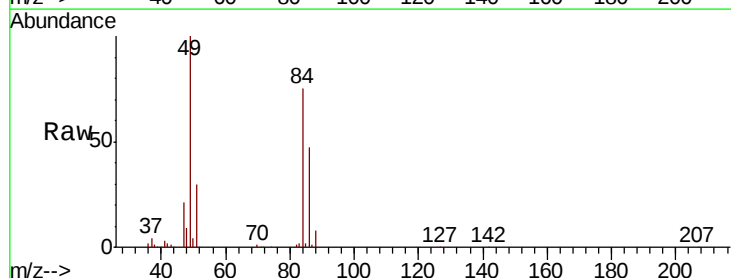
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

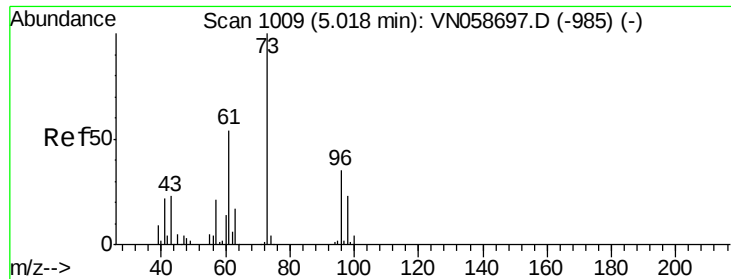
Tot Ion: 73 Resp: 1641265
Ion Ratio Lower Upper
73 100
57 22.4 17.0 25.6



#20
Methylene Chloride
Concen: 94.932 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 84 Resp: 524728
Ion Ratio Lower Upper
84 100
49 134.0 107.6 161.4
51 40.3 31.4 47.0
86 63.2 50.3 75.5

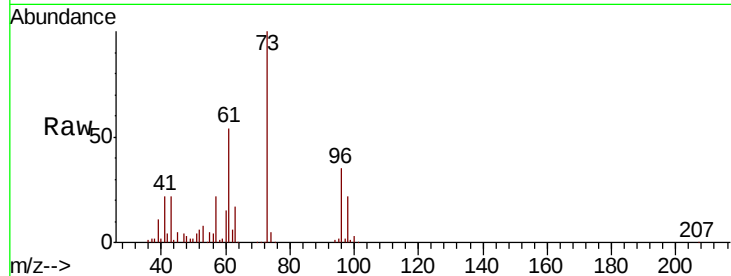




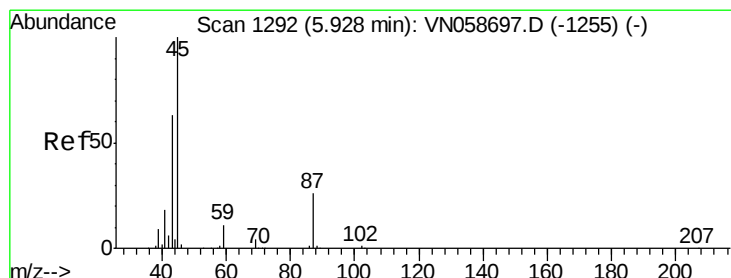
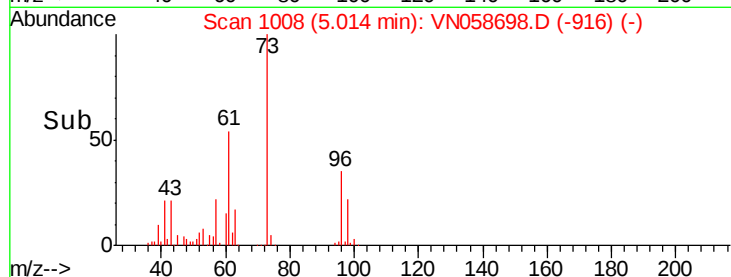
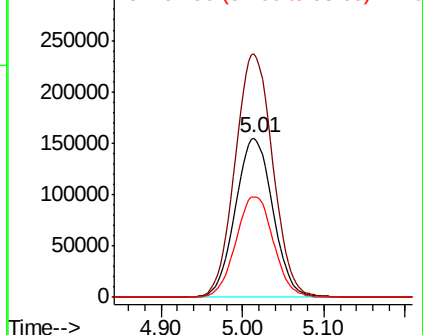
#21
trans-1,2-Dichloroethene
Concen: 98.119 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 493580
Ion Ratio Lower Upper
96 100
61 152.4 123.6 185.4
98 63.1 52.1 78.1

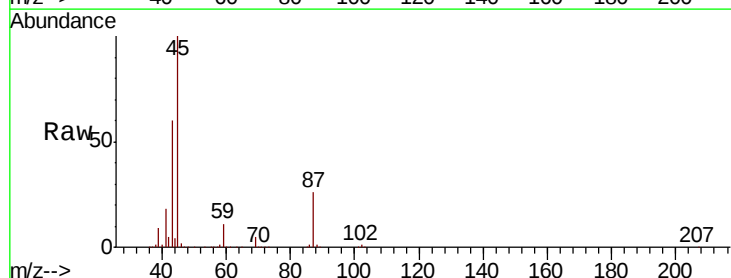


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

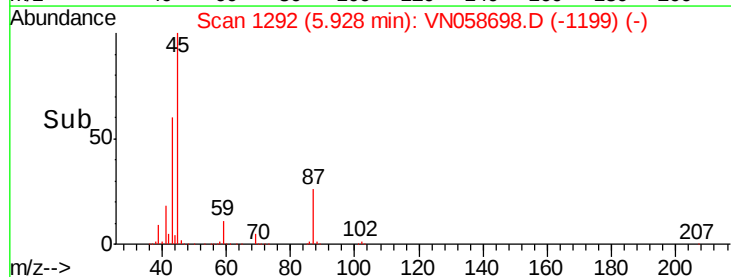
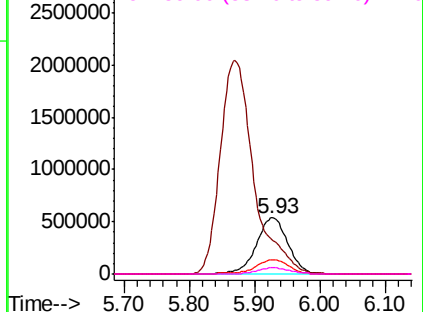


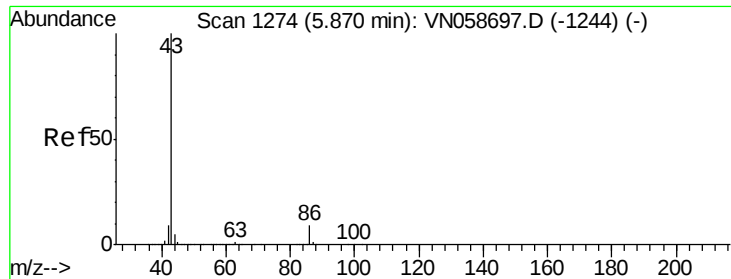
#22
Diisopropyl ether
Concen: 102.092 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 45 Resp: 1813909
Ion Ratio Lower Upper
45 100
43 59.5 50.6 75.8
87 25.8 21.1 31.7
59 11.0 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

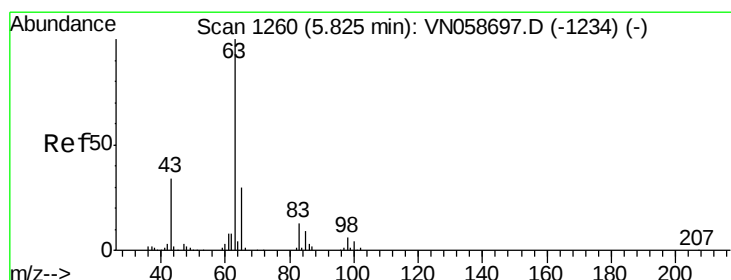
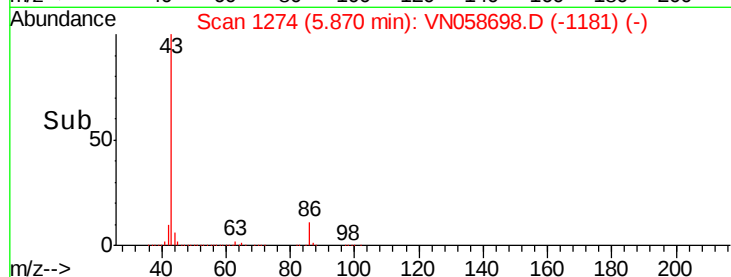
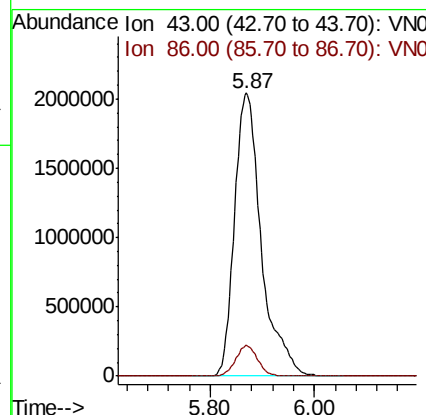
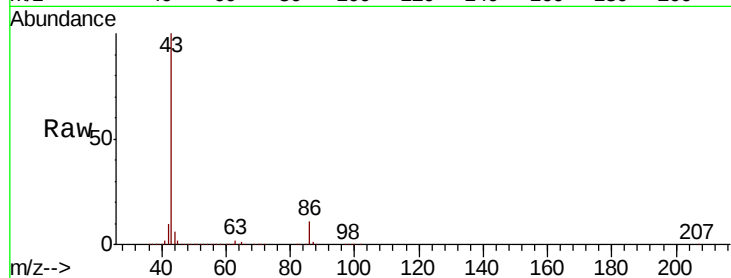




#23
 Vinyl Acetate
 Concen: 540.789 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

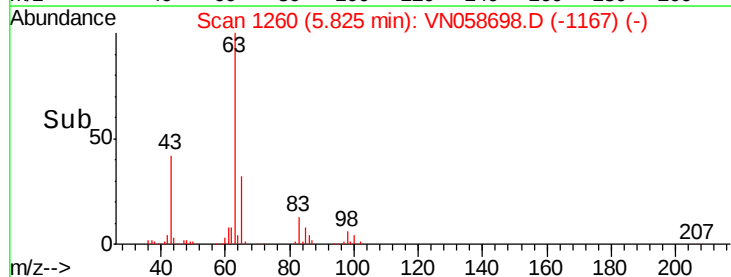
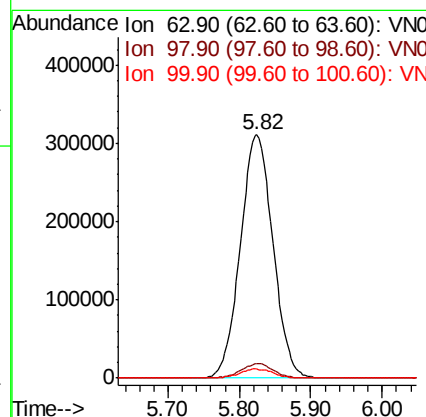
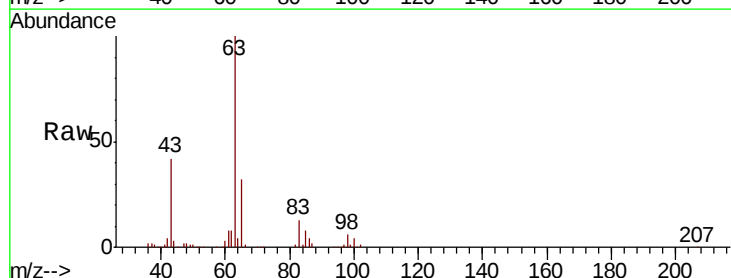
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

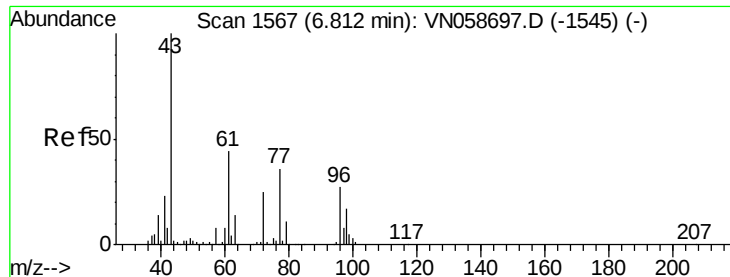
Tot Ion: 43 Resp: 7305828
 Ion Ratio Lower Upper
 43 100
 86 10.9 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 99.020 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion: 63 Resp: 988275
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.6
 100 3.7 1.8 5.5





#25

2-Butanone

Concen: 596.250 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

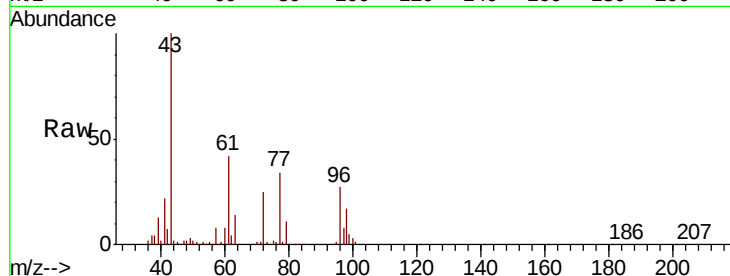
VSTDIC100

Tot Ion: 43 Resp: 2018619

Ion Ratio Lower Upper

43 100

72 24.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1545) (-)

Ion 72.00 (71.70 to 72.70): VN058697.D (-1545) (-)

6.81

800000

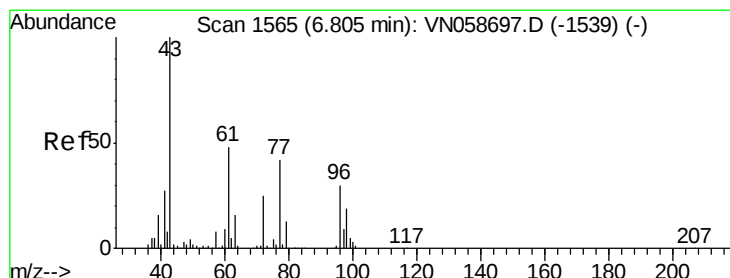
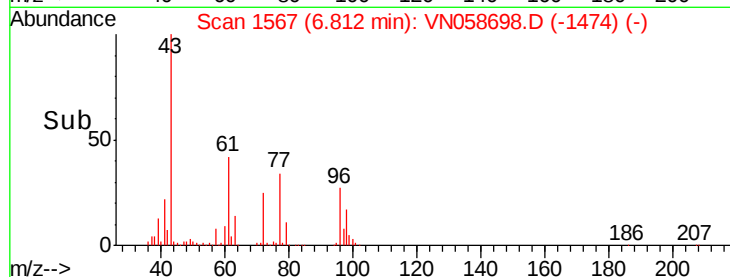
600000

400000

200000

0

Time-->



#26

2,2-Dichloropropane

Concen: 105.144 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058698.D

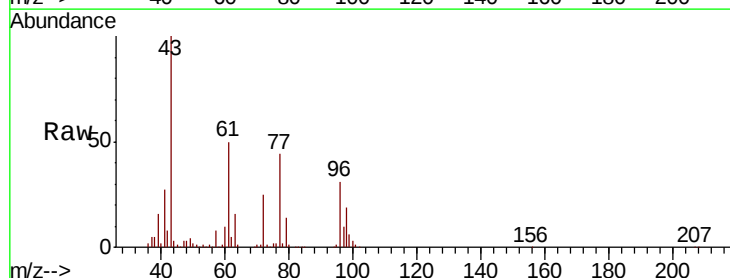
Acq: 11 Oct 2019 12:58

Tgt Ion: 77 Resp: 871212

Ion Ratio Lower Upper

77 100

97 21.5 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN058697.D (-1539) (-)

Ion 96.90 (96.60 to 97.60): VN058697.D (-1539) (-)

6.80

300000

250000

200000

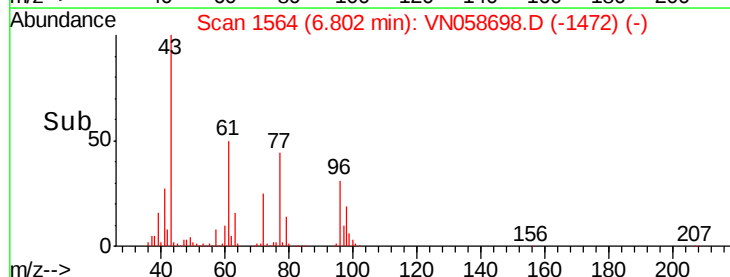
150000

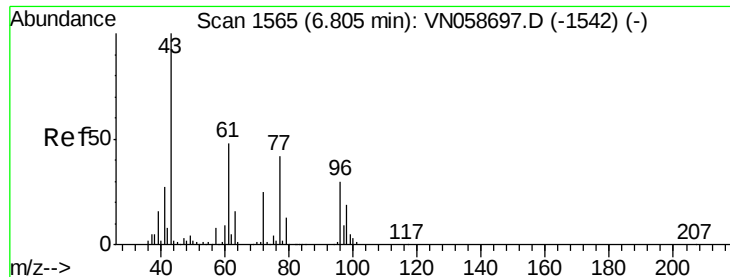
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 96.751 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

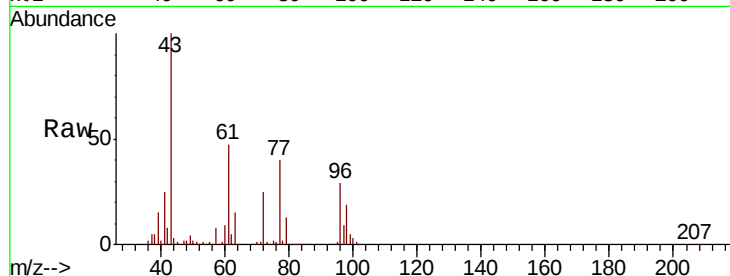
Tot Ion: 96 Resp: 566035

Ion Ratio Lower Upper

96 100

61 162.5 0.0 324.8

98 63.7 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN058697.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058697.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058697.D (-1542) (-)

400000

300000

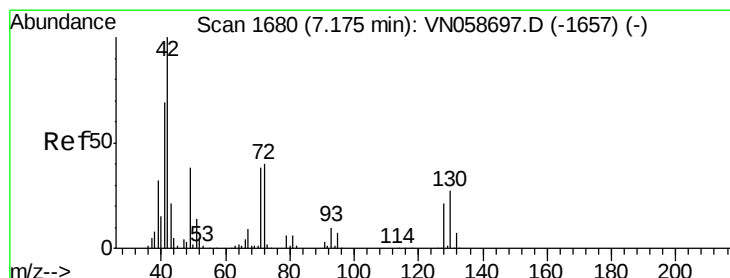
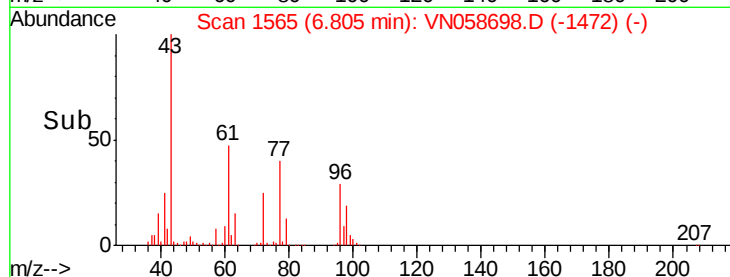
200000

100000

0

6.70 6.80 6.90 7.00

Time-->



#28

Bromochloromethane

Concen: 88.932 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

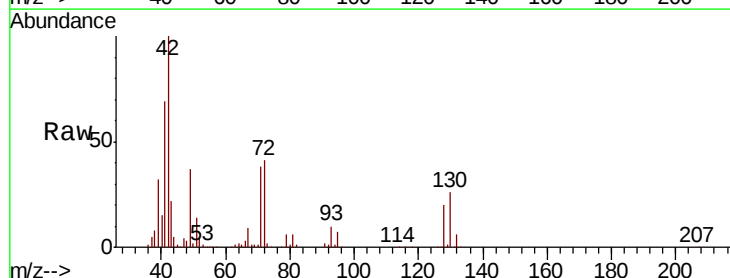
Tgt Ion: 49 Resp: 345600

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.6

130 68.6 55.0 82.4



Abundance Ion 48.90 (48.60 to 49.60): VN058697.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN058697.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN058697.D (-1657) (-)

150000

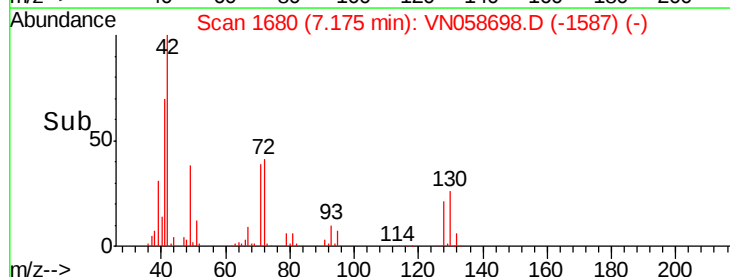
100000

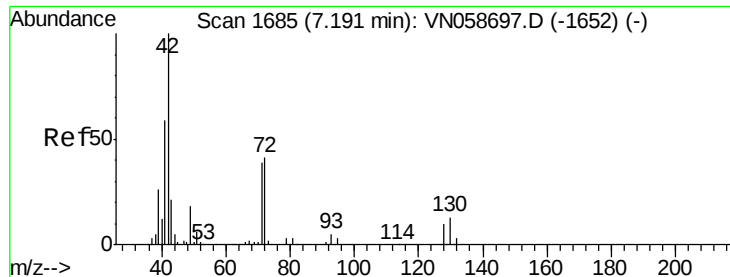
50000

0

7.10 7.20 7.30

Time-->





#29

Tetrahydrofuran

Concen: 604.360 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

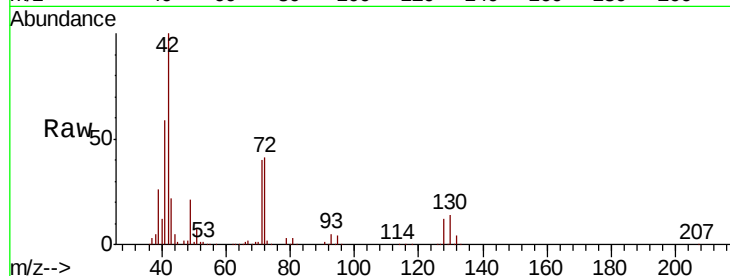
Tot Ion: 42 Resp: 1304899

Ion Ratio Lower Upper

42 100

72 41.2 32.8 49.2

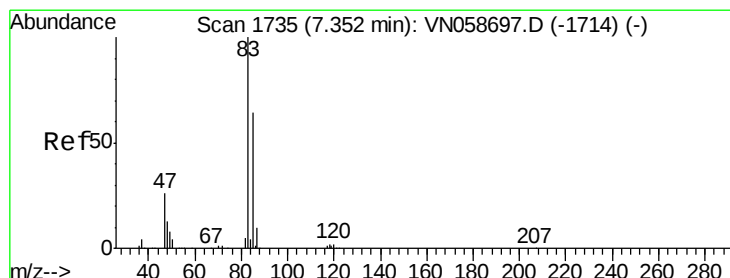
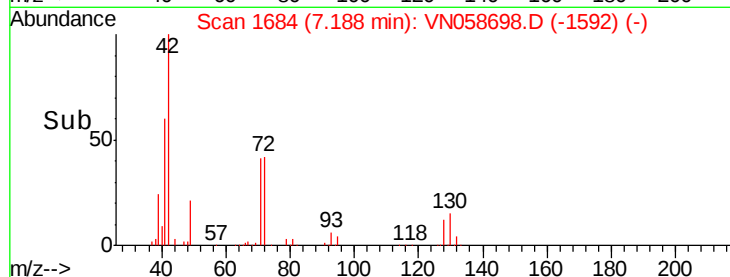
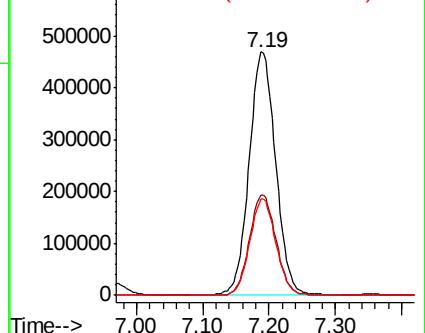
71 39.1 31.1 46.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 96.888 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058698.D

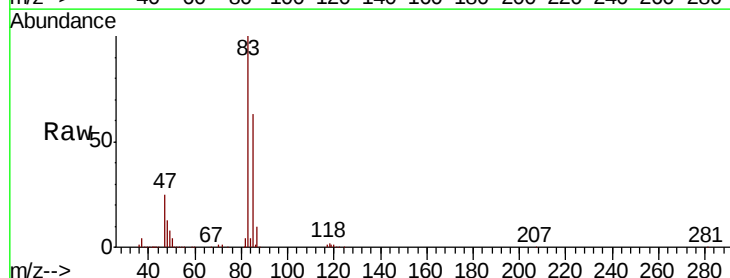
Acq: 11 Oct 2019 12:58

Tgt Ion: 83 Resp: 975609

Ion Ratio Lower Upper

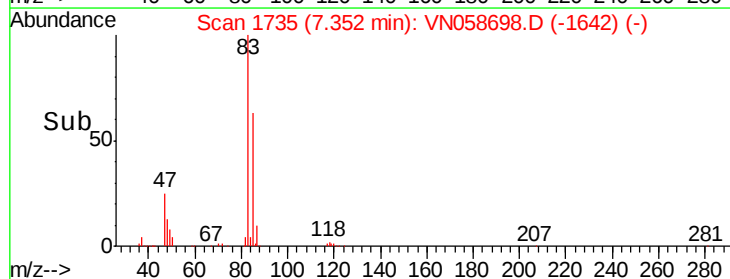
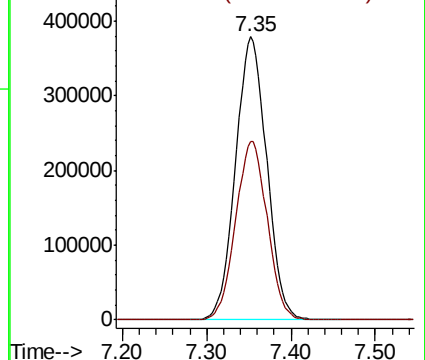
83 100

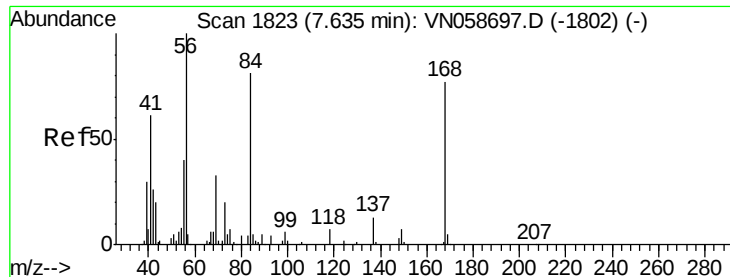
85 63.0 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

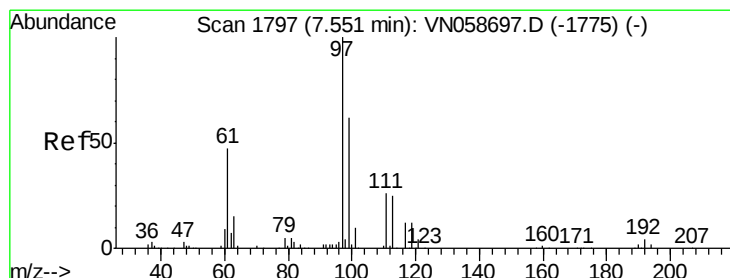
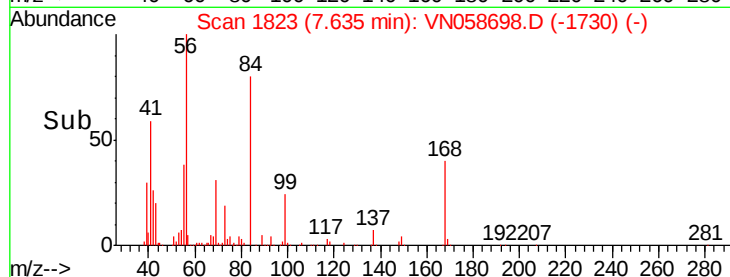
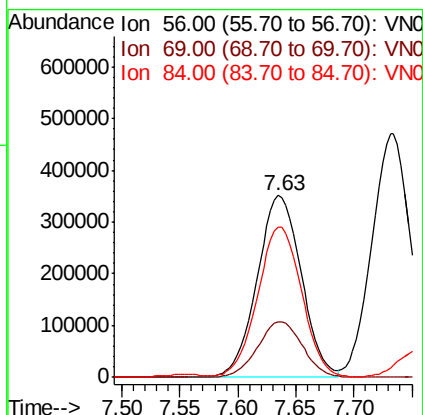
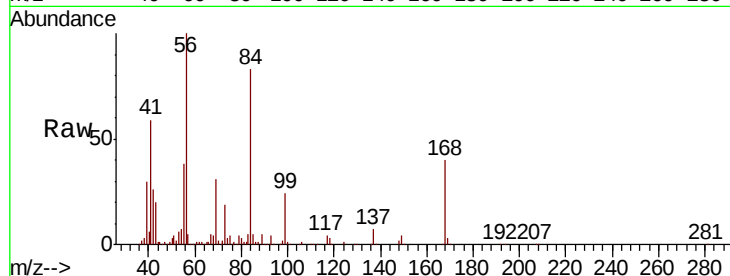




#31
Cyclohexane
Concen: 96.098 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

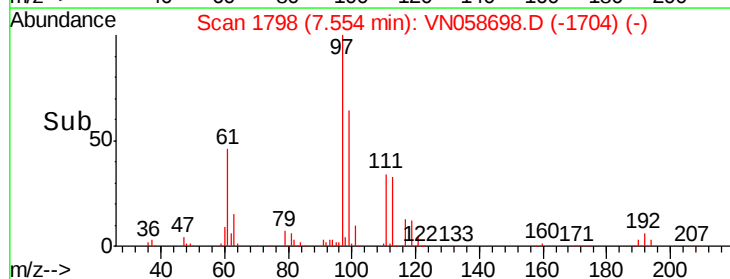
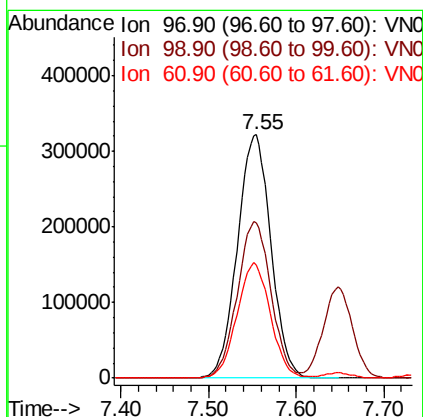
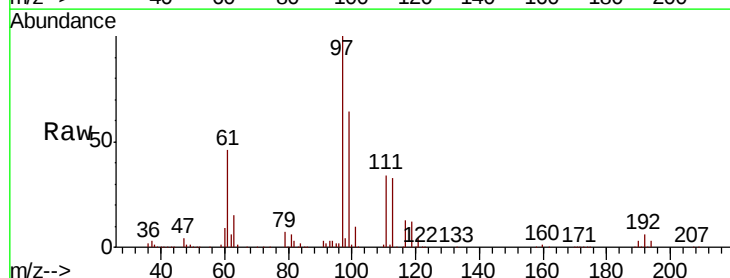
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

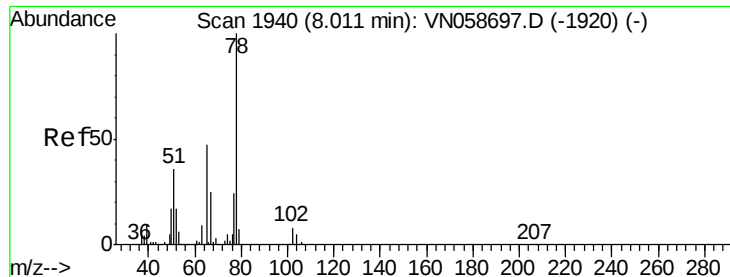
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	26.2	39.4
84	81.4	64.9	97.3



#32
1,1,1-Trichloroethane
Concen: 102.751 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.8	76.2
61	47.1	38.1	57.1





#33

1,2-Dichloroethane-d4

Concen: 93.744 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

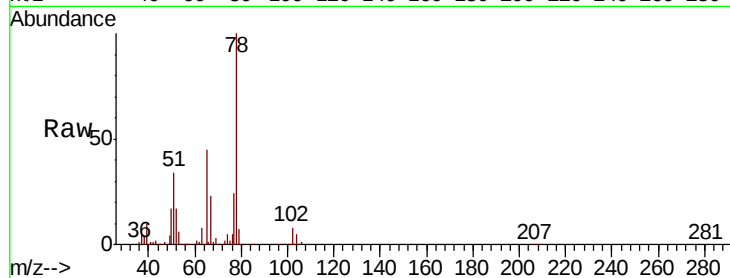
VSTDIC100

Tot Ion: 65 Resp: 649370

Ion Ratio Lower Upper

65 100

67 51.4 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

300000

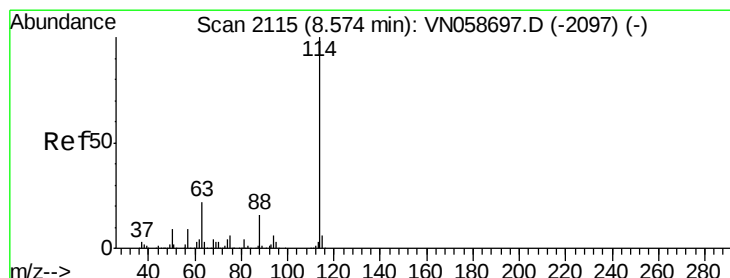
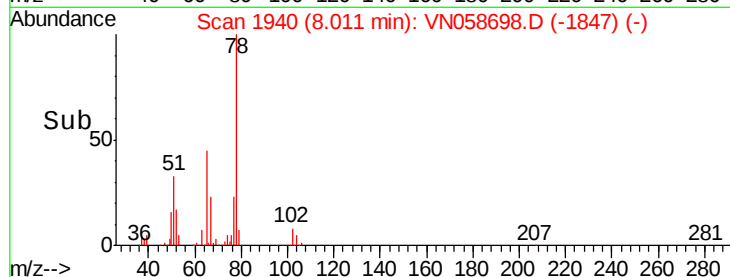
200000

100000

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# 2115

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

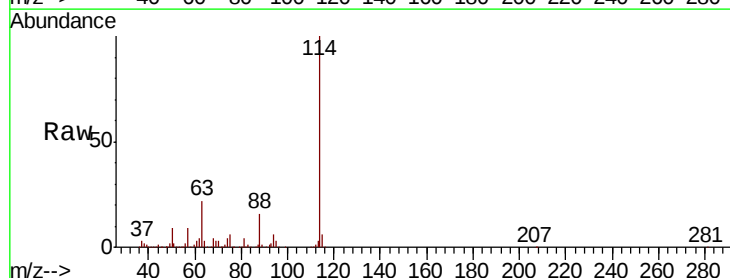
Tgt Ion: 114 Resp: 772112

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.8

88 15.7 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

500000

400000

300000

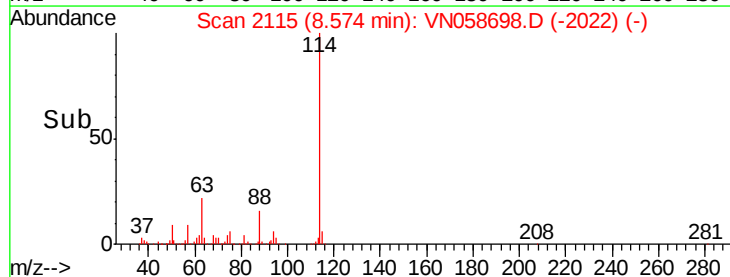
200000

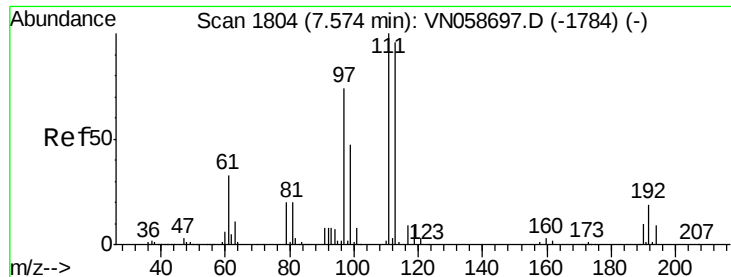
100000

0

8.50 8.55 8.60 8.65 8.70

Time-->

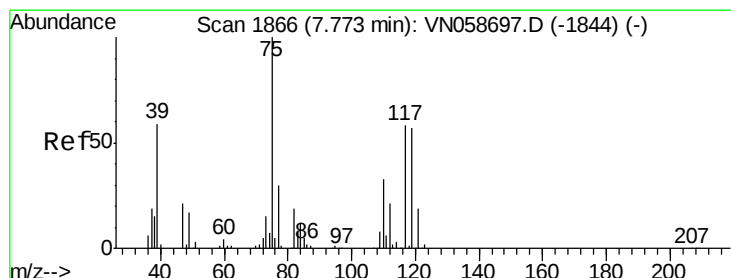
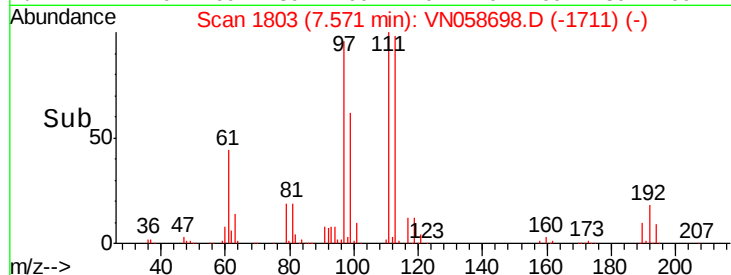
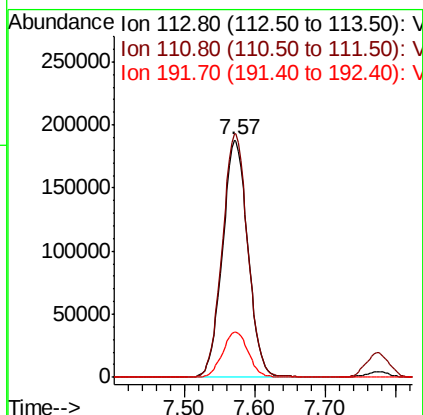
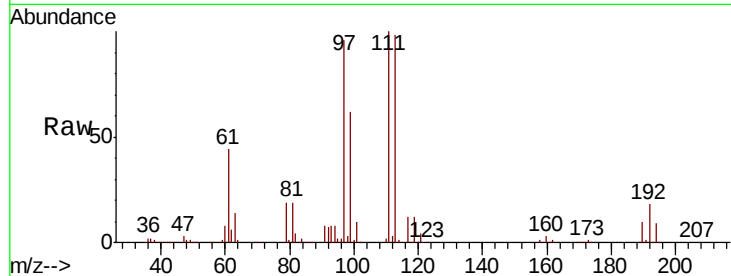




#35
 Dibromofluoromethane
 Concen: 100.251 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

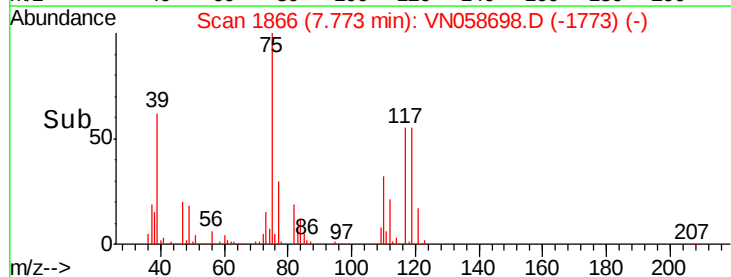
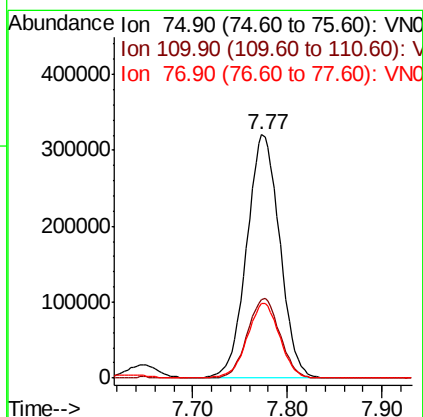
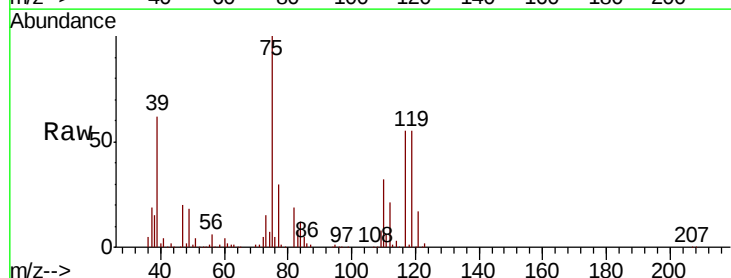
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

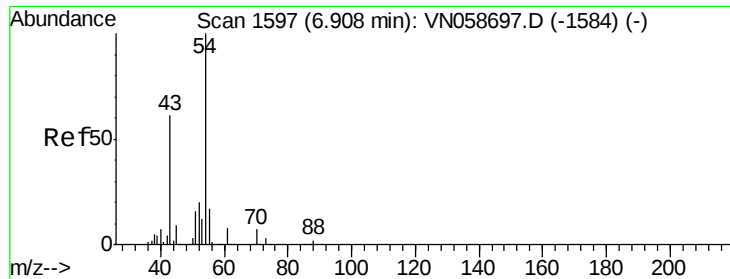
Tot Ion:113 Resp: 473452
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.3 123.5
 192 19.3 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 104.209 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion: 75 Resp: 773874
 Ion Ratio Lower Upper
 75 100
 110 32.4 16.6 49.8
 77 30.5 24.6 37.0

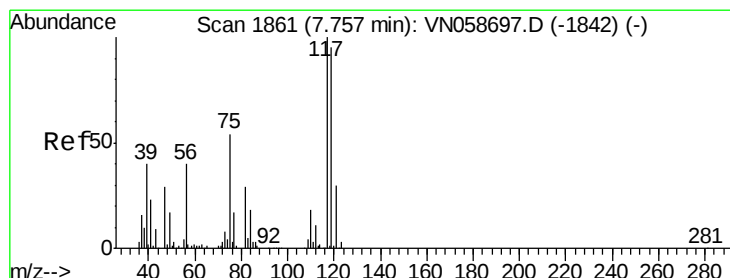
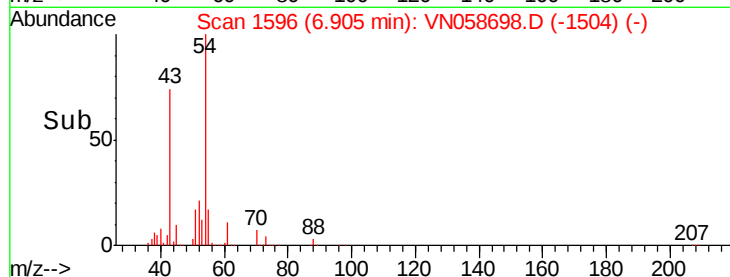
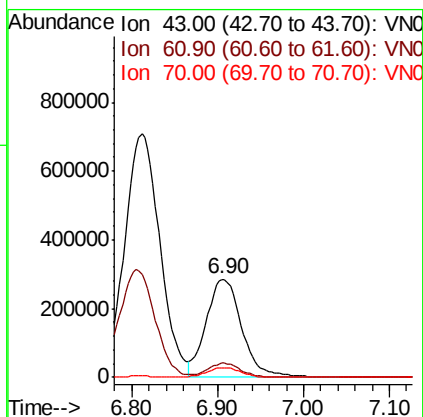
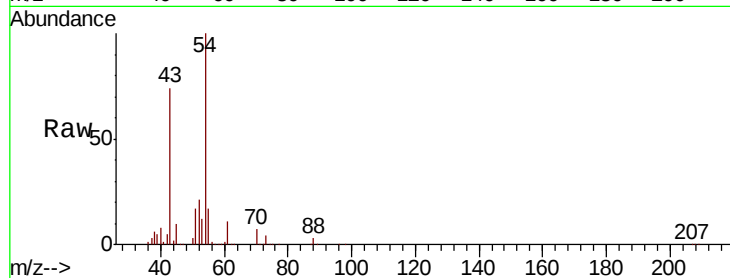




#37
Ethyl Acetate
Concen: 125.298 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

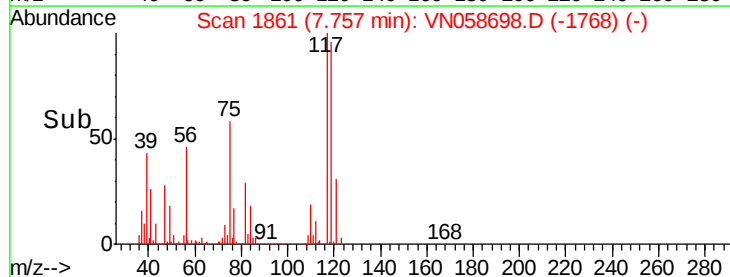
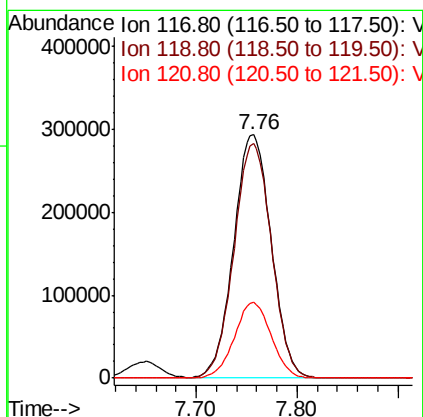
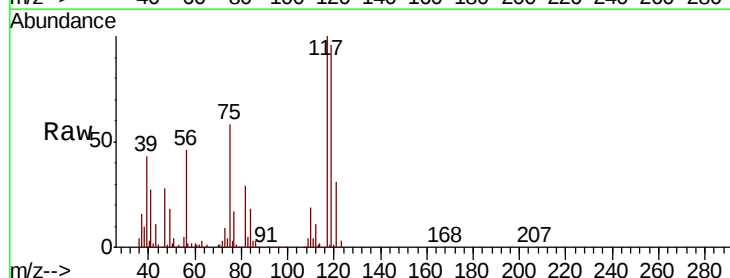
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 816676
Ion Ratio Lower Upper
43 100
61 13.4 11.3 16.9
70 9.8 7.2 10.8



#38
Carbon Tetrachloride
Concen: 111.505 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 117 Resp: 757372
Ion Ratio Lower Upper
117 100
119 96.4 75.7 113.5
121 31.1 23.9 35.9

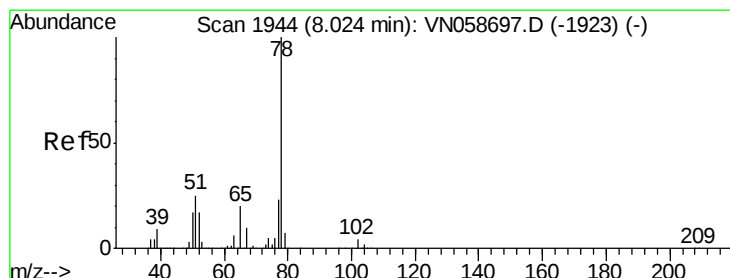
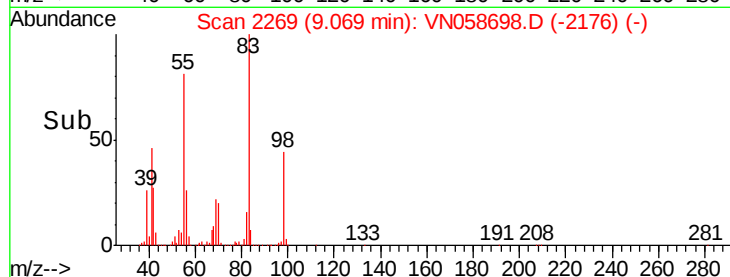
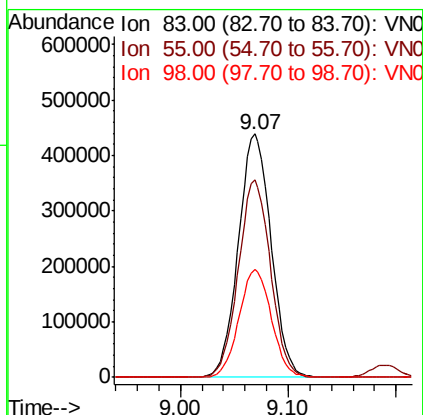
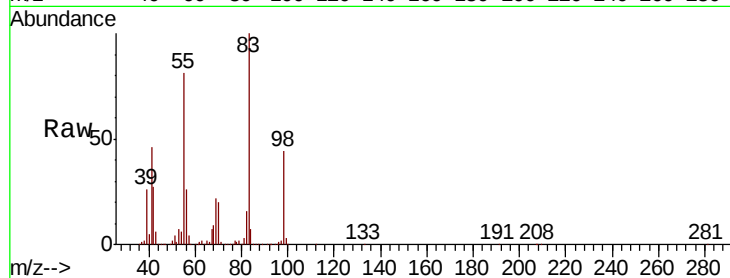




#39
Methvlcvclohexane
Concen: 106.550 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

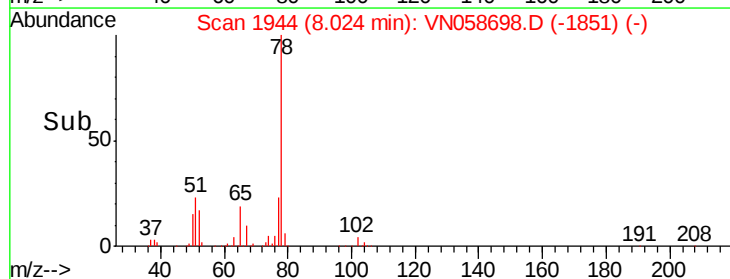
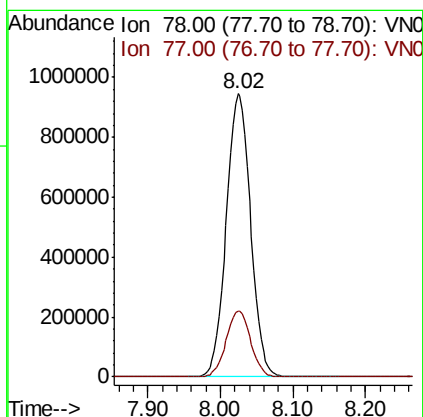
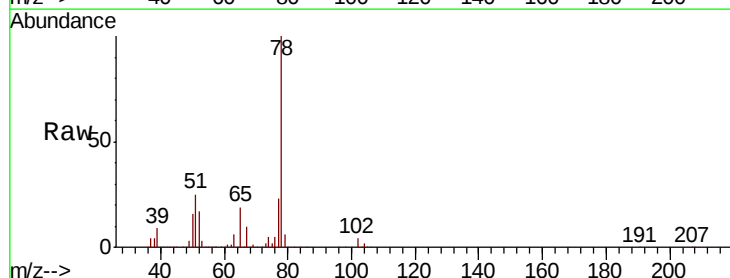
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

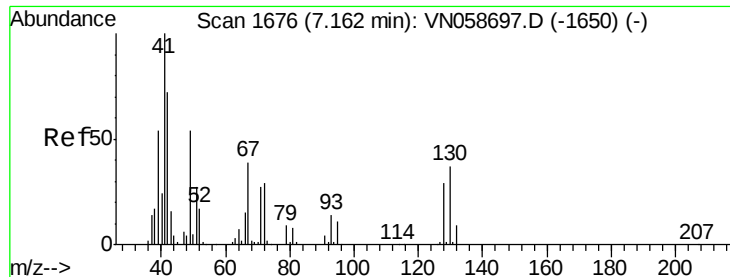
Tot Ion: 83 Resp: 926577
Ion Ratio Lower Upper
83 100
55 81.0 63.4 95.0
98 44.2 35.1 52.7



#40
Benzene
Concen: 103.127 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 78 Resp: 2200121
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

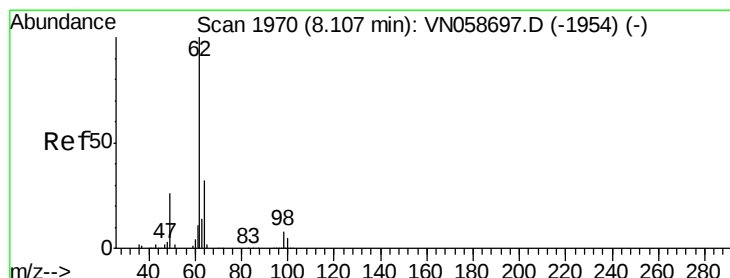
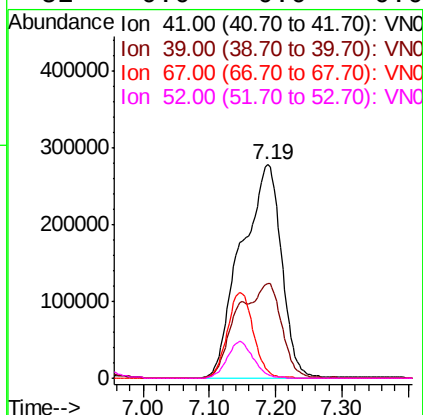
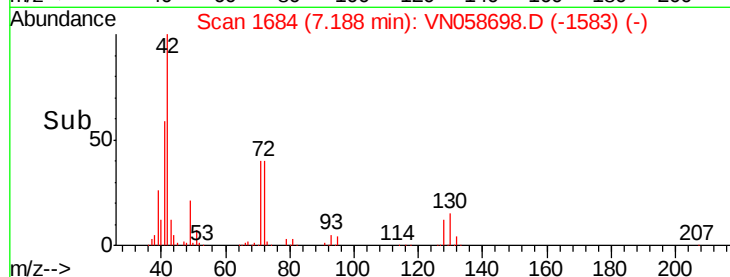
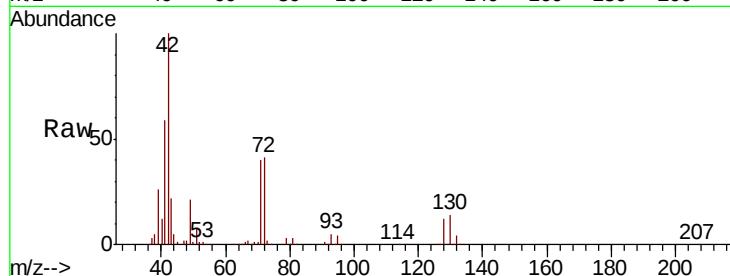




#41
Methacrylonitrile
Concen: 384.224 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

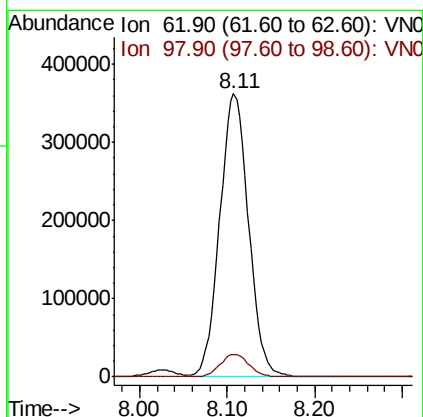
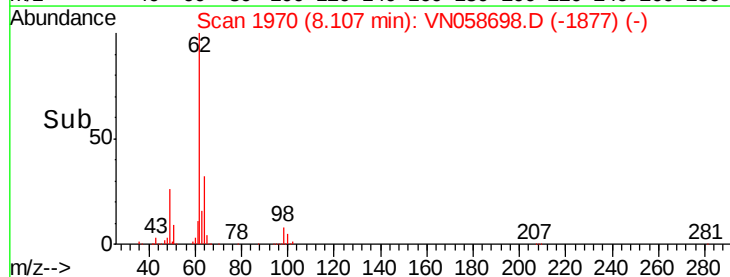
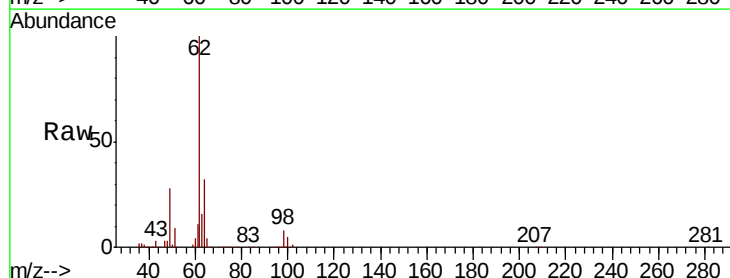
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 1174262
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: 99.778 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 62 Resp: 827792
Ion Ratio Lower Upper
62 100
98 8.0 0.0 15.8





#43

Isopropyl Acetate

Concen: 112.568 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

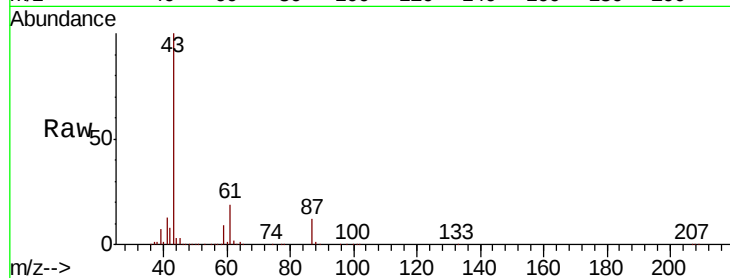
Tot Ion: 43 Resp: 1358841

Ion Ratio Lower Upper

43 100

61 25.1 20.3 30.5

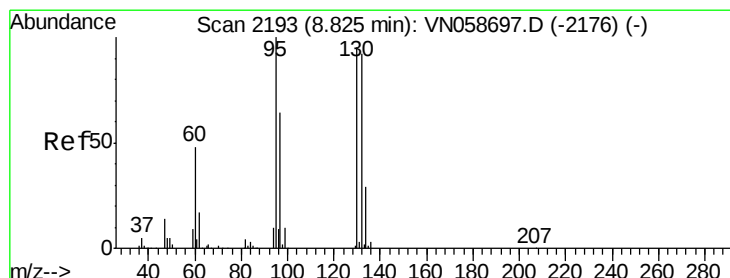
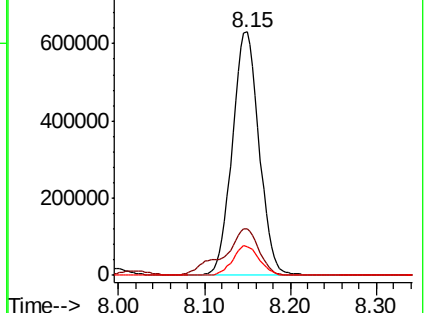
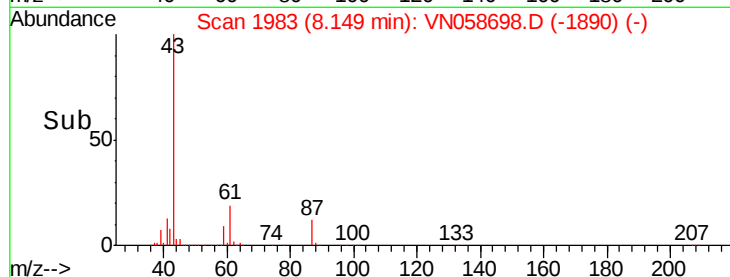
87 12.2 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058698.D (-2190) (-)

Ion 61.00 (60.70 to 61.70): VN058698.D (-2190) (-)

Ion 87.00 (86.70 to 87.70): VN058698.D (-2190) (-)



#44

Trichloroethene

Concen: 103.380 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058698.D

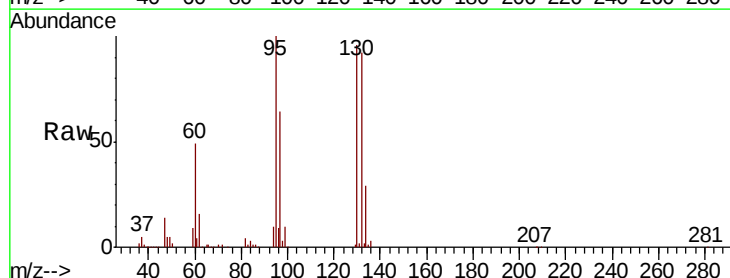
Acq: 11 Oct 2019 12:58

Tgt Ion:130 Resp: 543804

Ion Ratio Lower Upper

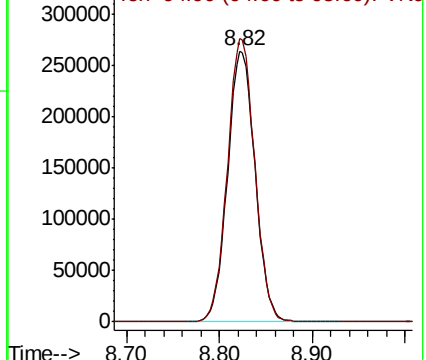
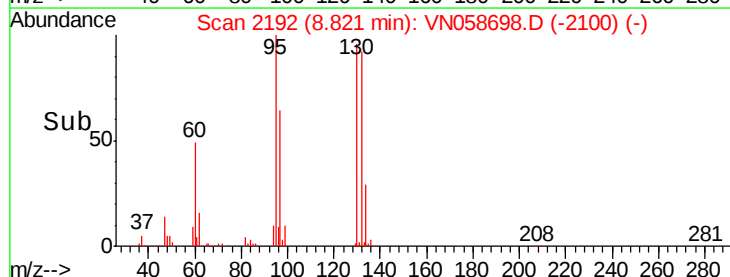
130 100

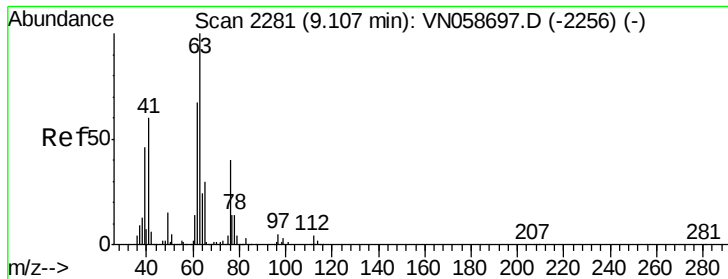
95 104.6 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058698.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058698.D (-2100) (-)

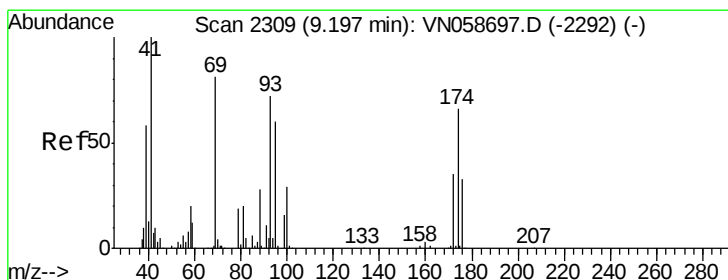
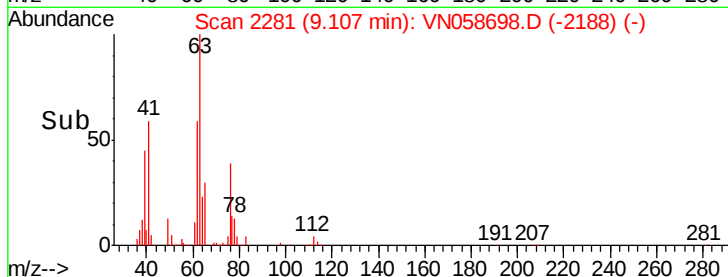
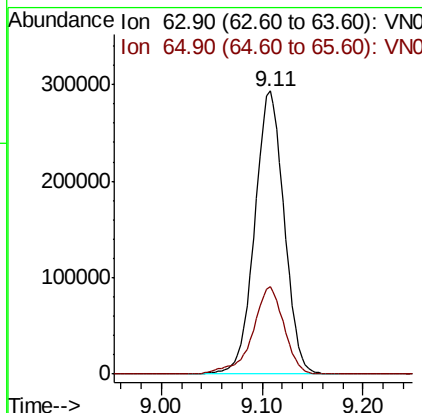
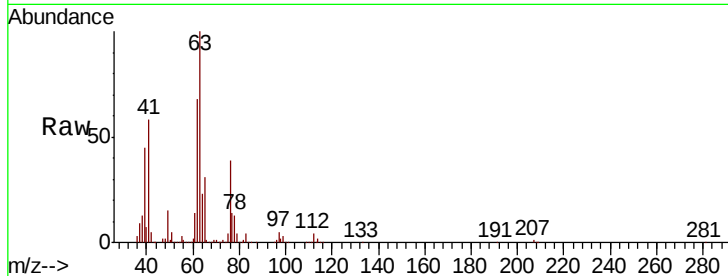




#45
 1,2-Dichloropropane
 Concen: 103.726 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

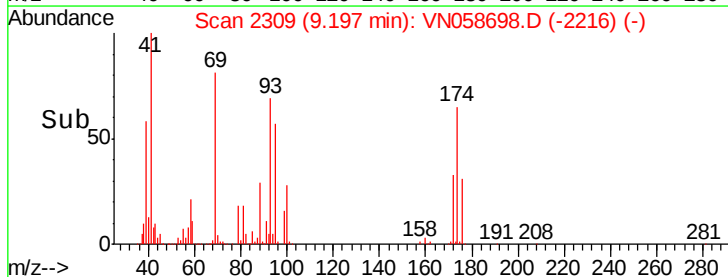
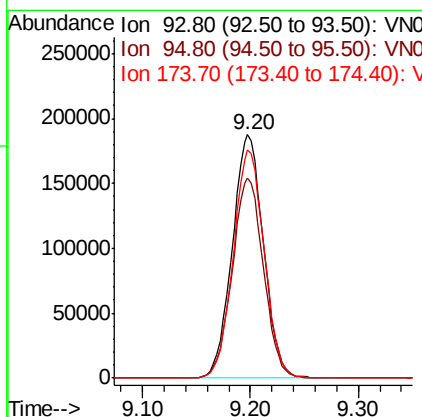
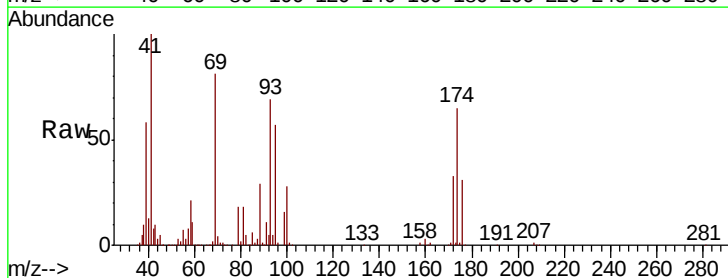
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

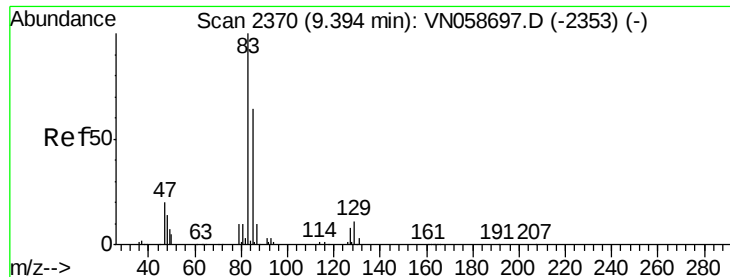
Tot Ion: 63 Resp: 594085
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.1 36.1



#46
 Dibromomethane
 Concen: 103.749 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion: 93 Resp: 377130
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.6 100.0
 174 93.2 75.2 112.8





#47

Bromodichloromethane

Concen: 112.805 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

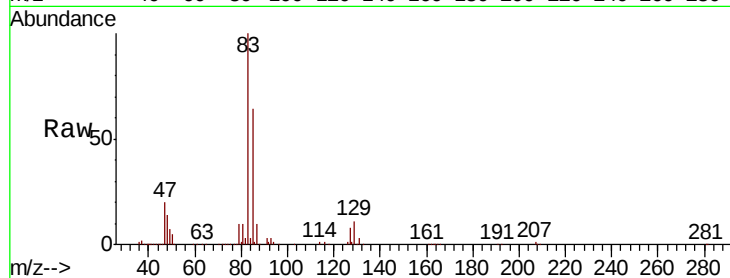
Tot Ion: 83 Resp: 783070

Ion Ratio Lower Upper

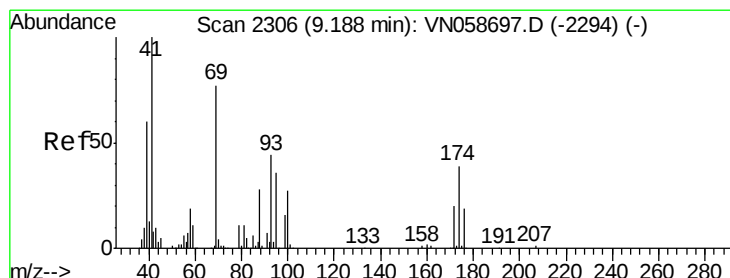
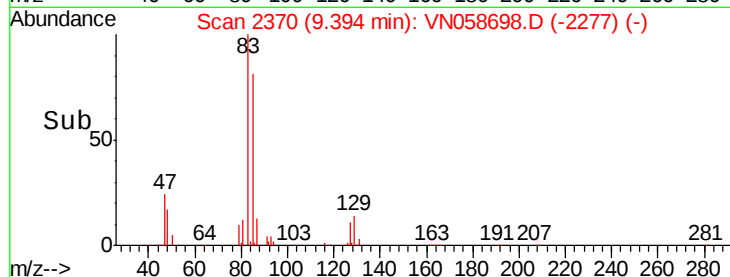
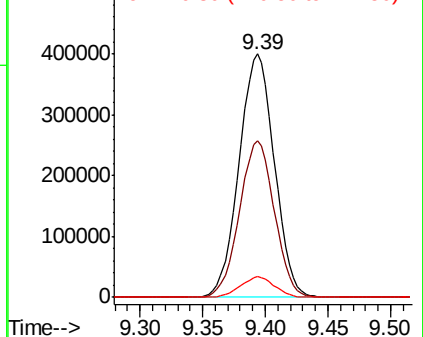
83 100

85 64.3 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: 116.209 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

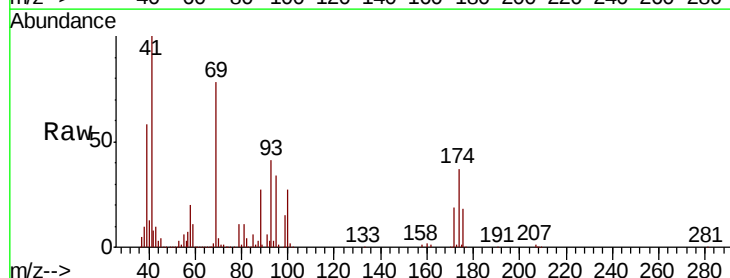
Tgt Ion: 41 Resp: 637375

Ion Ratio Lower Upper

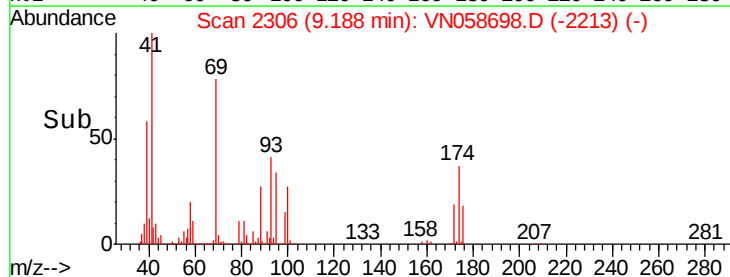
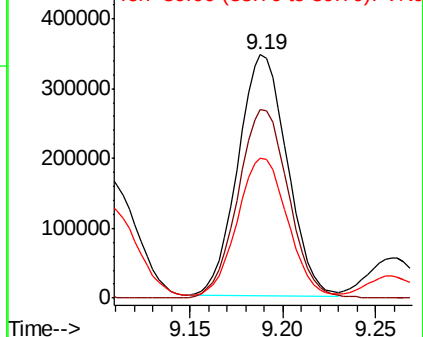
41 100

69 80.4 63.4 95.2

39 59.8 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

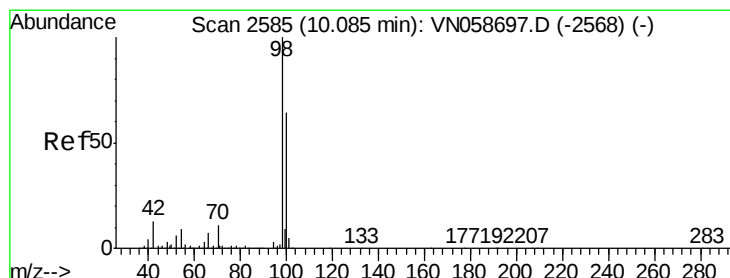
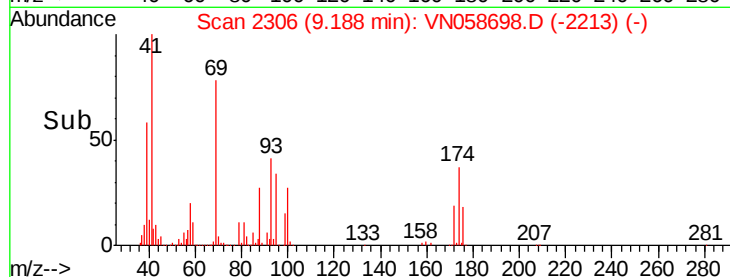
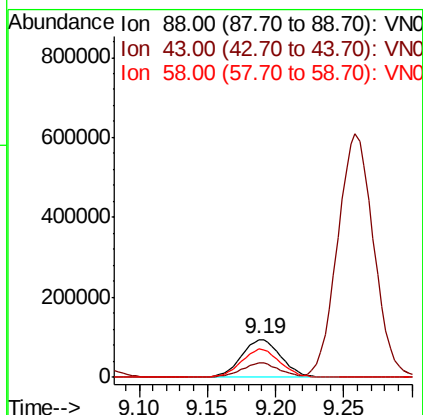
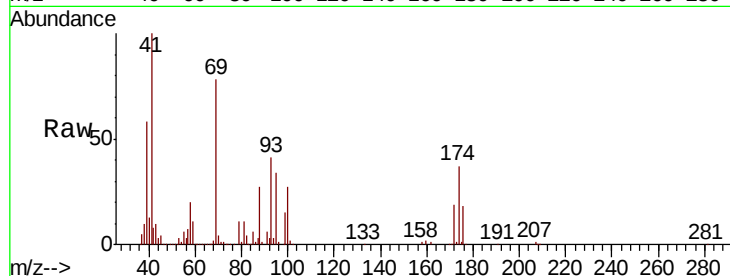




#49
 1,4-Dioxane
 Concen: 2572.412 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

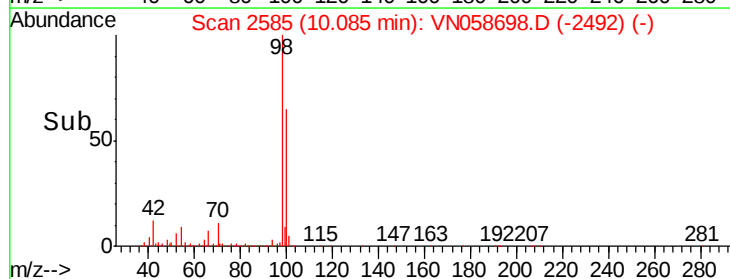
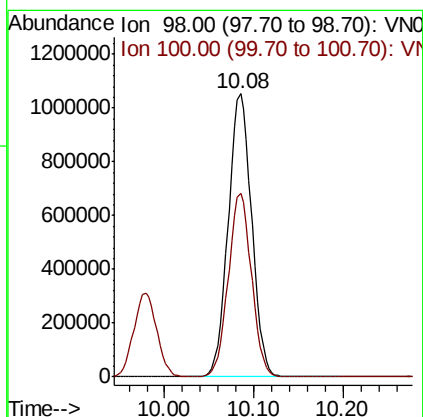
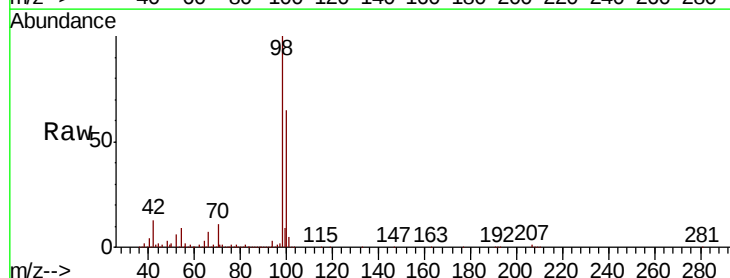
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

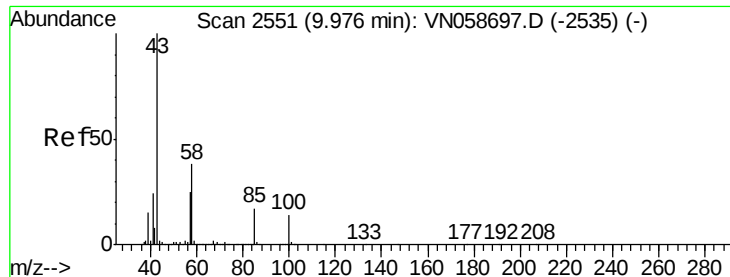
Tot Ion	88	Resp	191927
Ion	Ratio	Lower	Upper
88	100		
43	36.4	28.6	43.0
58	73.3	57.2	85.8



#50
 Toluene-d8
 Concen: 103.148 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion	98	Resp	1914104
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 607.070 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

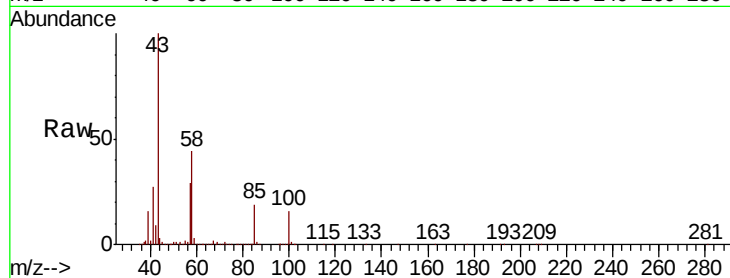
VSTDIC100

Tot Ion: 43 Resp: 3837964

Ion Ratio Lower Upper

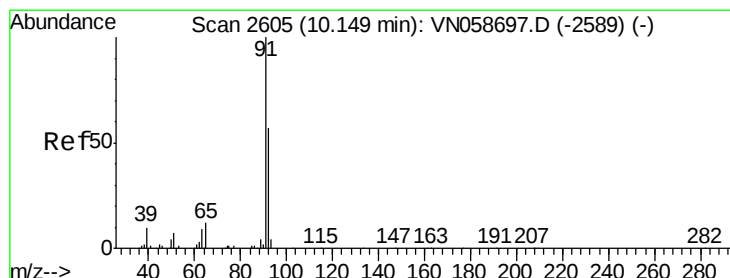
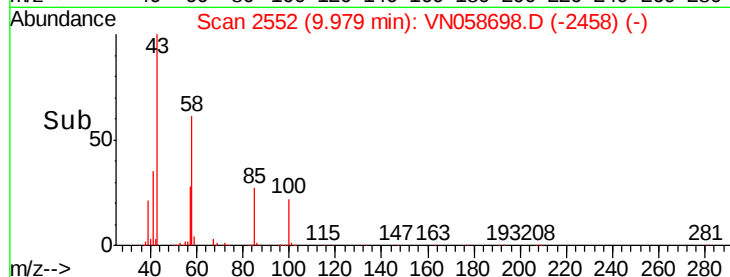
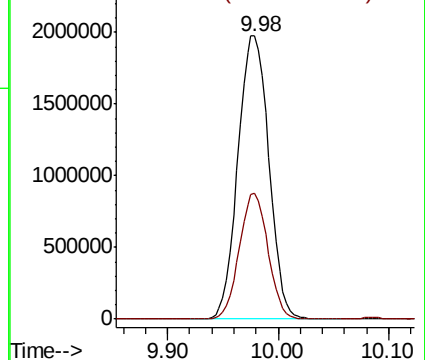
43 100

58 41.3 30.3 45.5



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

Ion 58.00 (57.70 to 58.70): VN058697.D



#52

Toluene

Concen: 102.859 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058698.D

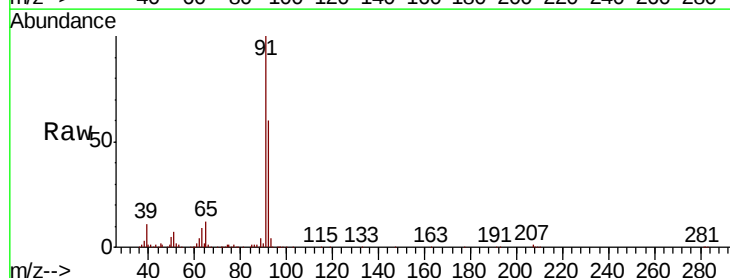
Acq: 11 Oct 2019 12:58

Tgt Ion: 92 Resp: 1383751

Ion Ratio Lower Upper

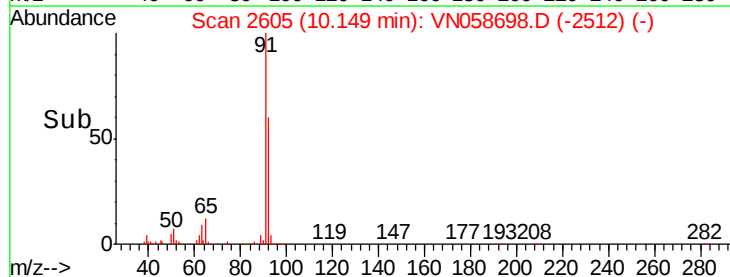
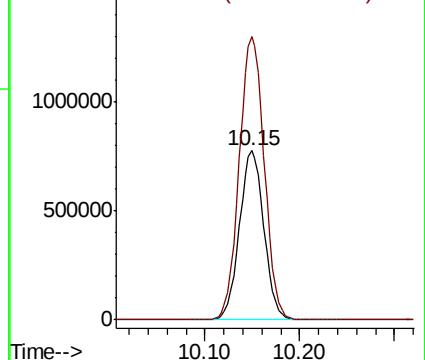
92 100

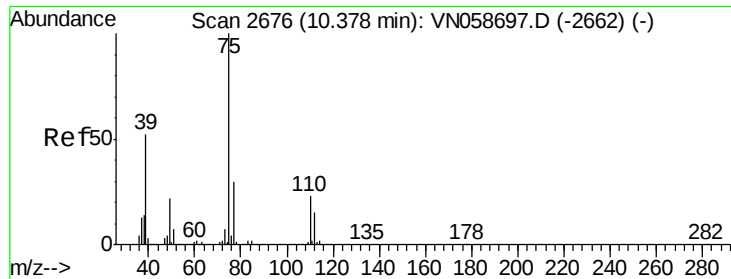
91 171.5 139.1 208.7



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

Ion 91.00 (90.70 to 91.70): VN058697.D





#53

t-1,3-Dichloropropene

Concen: 123.033 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

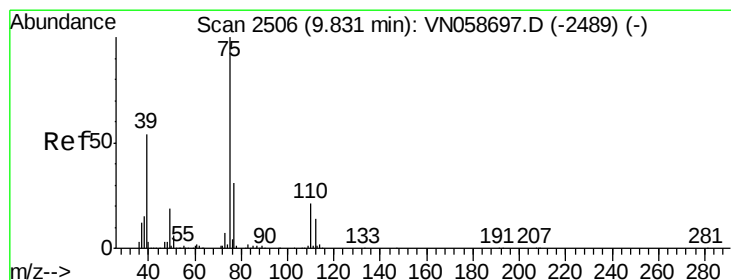
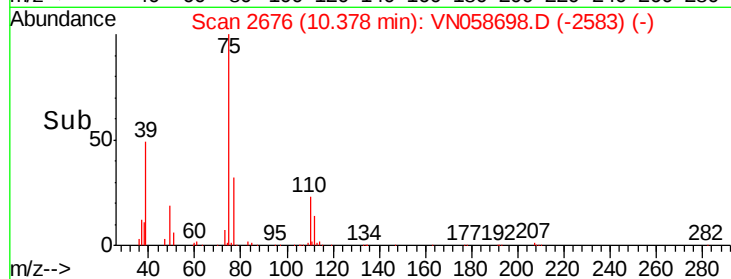
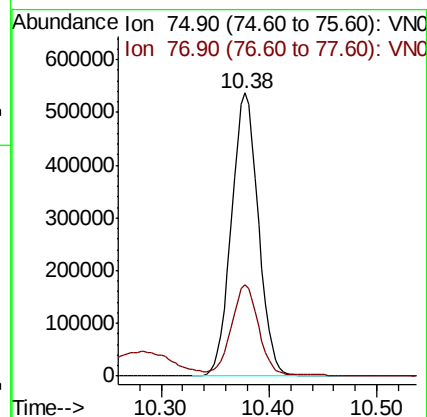
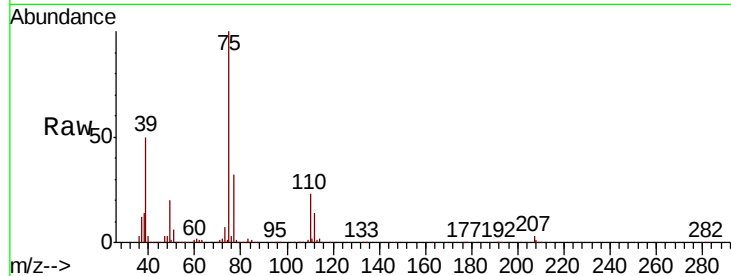
VSTDIC100

Tot Ion: 75 Resp: 932373

Ion Ratio Lower Upper

75 100

77 31.9 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 117.460 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

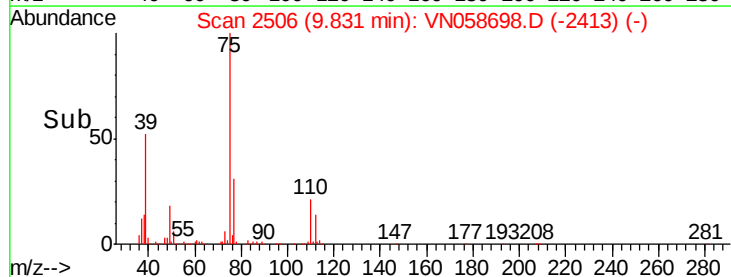
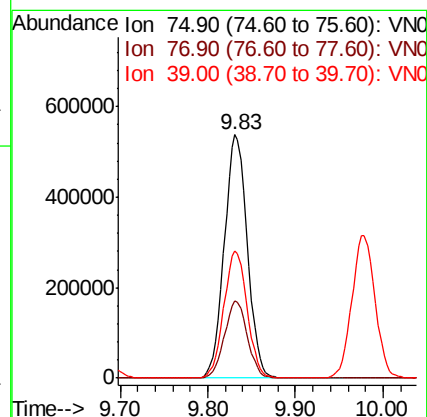
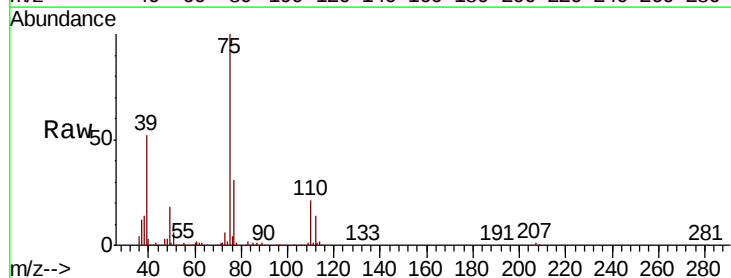
Tgt Ion: 75 Resp: 982177

Ion Ratio Lower Upper

75 100

77 31.5 24.4 36.6

39 52.3 43.1 64.7

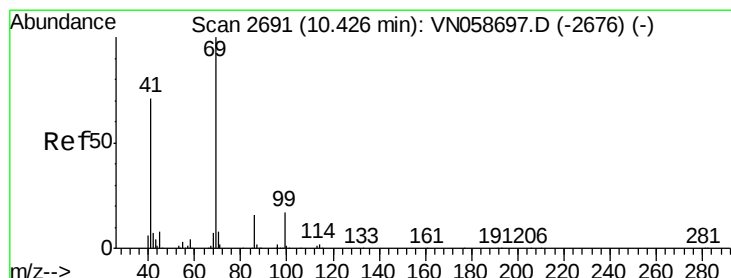
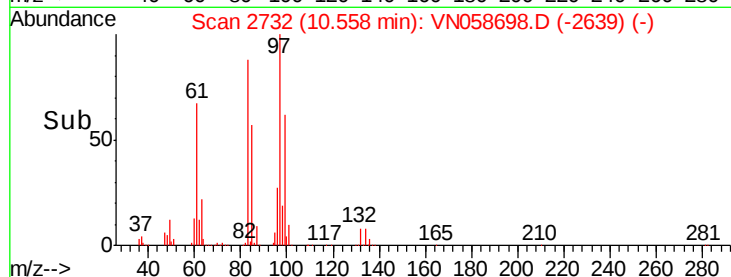
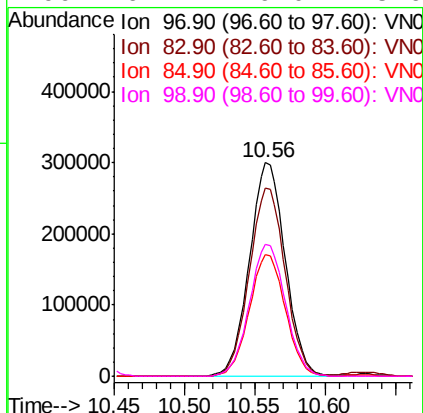
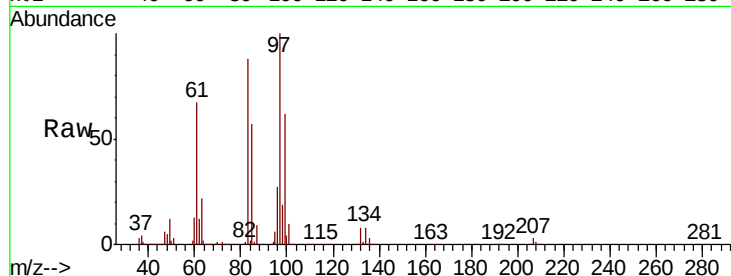




#55
 1,1,2-Trichloroethane
 Concen: 108.517 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

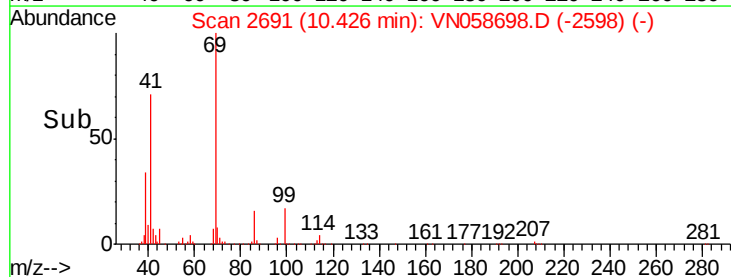
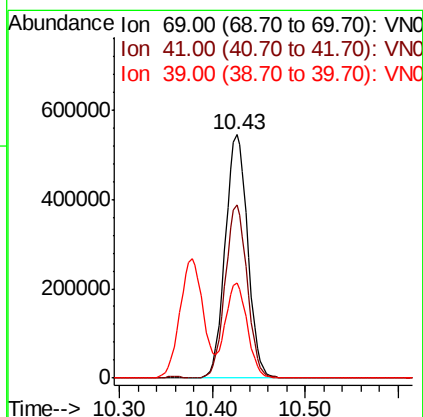
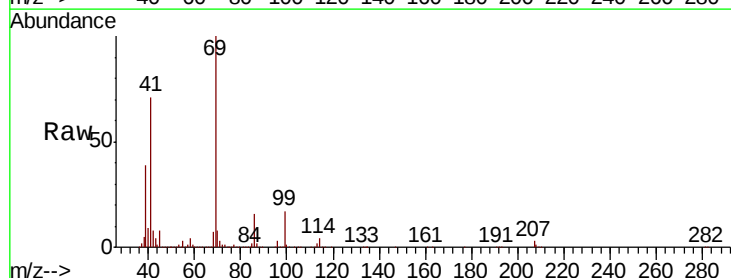
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

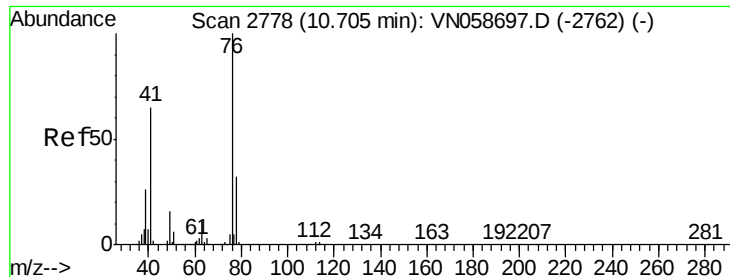
Tot Ion: 97 Resp: 533312
 Ion Ratio Lower Upper
 97 100
 83 88.0 71.2 106.8
 85 56.7 46.7 70.1
 99 61.7 49.0 73.6



#56
 Ethyl methacrylate
 Concen: 121.656 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion: 69 Resp: 913688
 Ion Ratio Lower Upper
 69 100
 41 69.6 56.8 85.2
 39 38.0 32.5 48.7





#57

1,3-Dichloropropane

Concen: 109.173 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

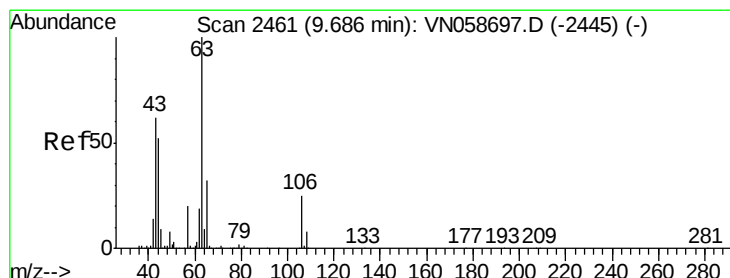
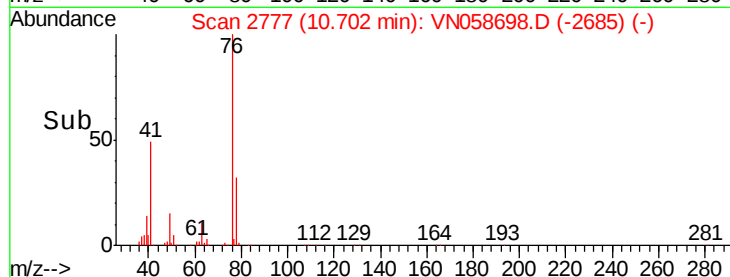
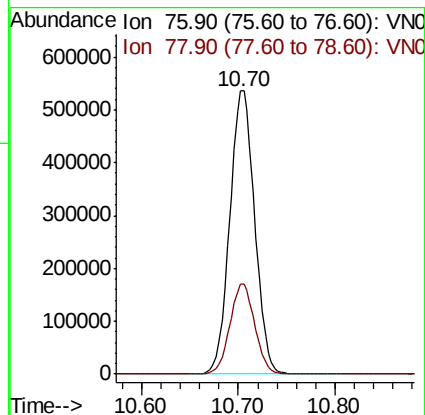
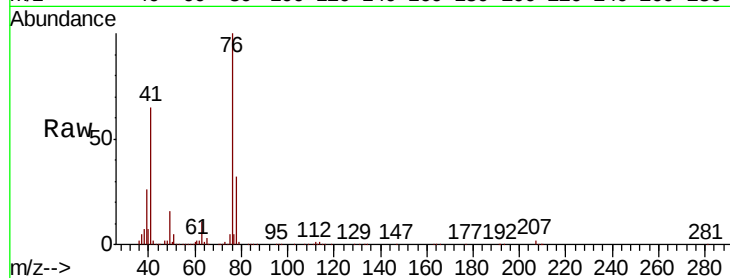
VSTDIC100

Tot Ion: 76 Resp: 957596

Ion Ratio Lower Upper

76 100

78 31.8 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 693.439 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058698.D

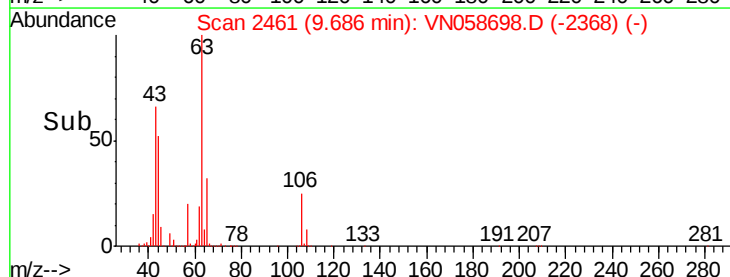
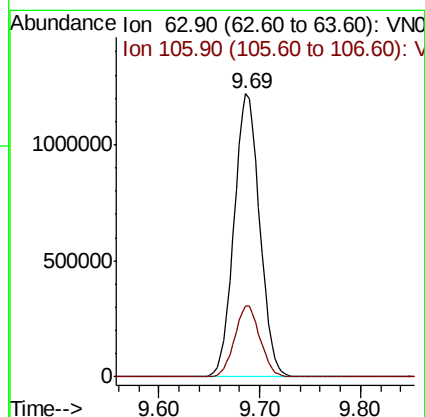
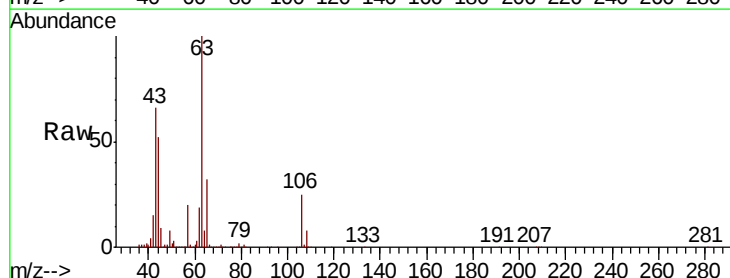
Acq: 11 Oct 2019 12:58

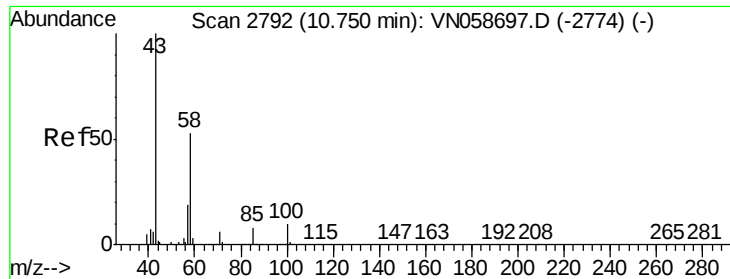
Tgt Ion: 63 Resp: 2155084

Ion Ratio Lower Upper

63 100

106 25.0 20.0 30.0





#59

2-Hexanone

Concen: 652.449 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

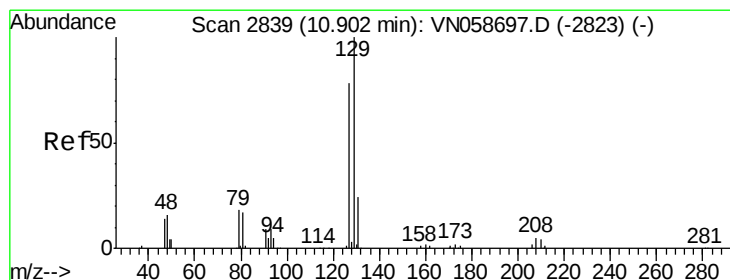
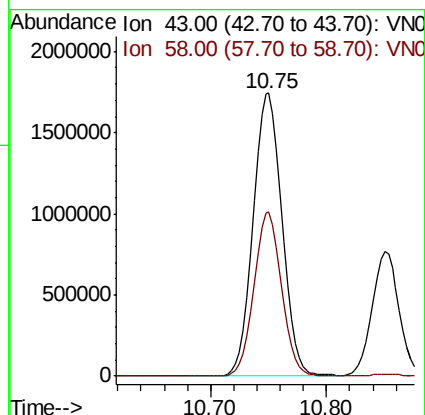
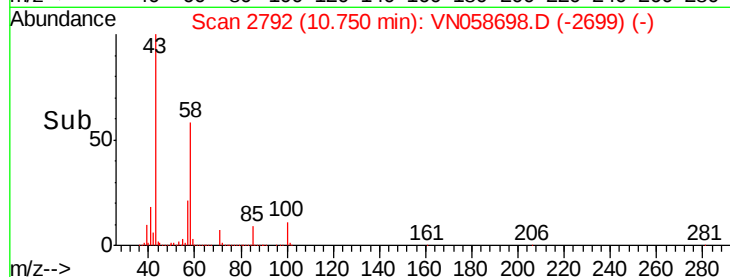
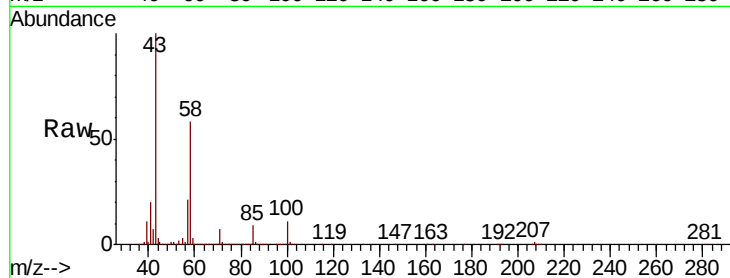
VSTDIC100

Tot Ion: 43 Resp: 3037252

Ion Ratio Lower Upper

43 100

58 55.4 26.1 78.3



#60

Dibromochloromethane

Concen: 127.135 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058698.D

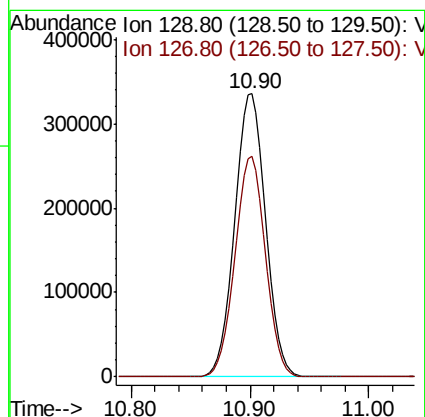
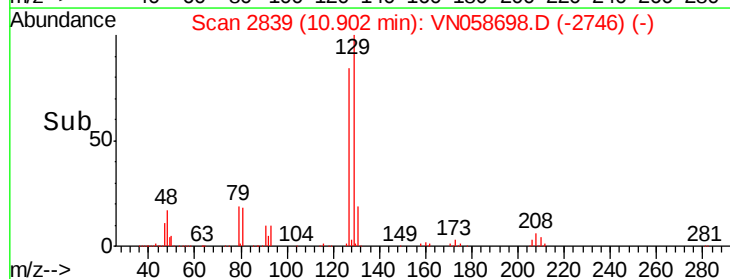
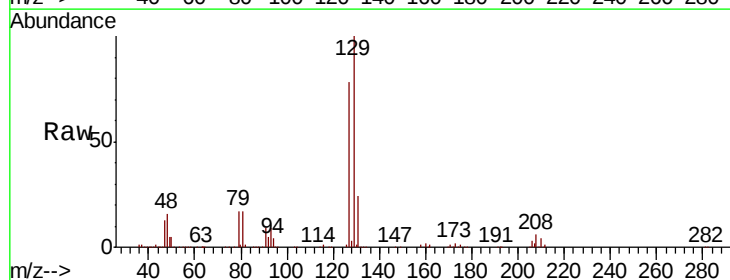
Acq: 11 Oct 2019 12:58

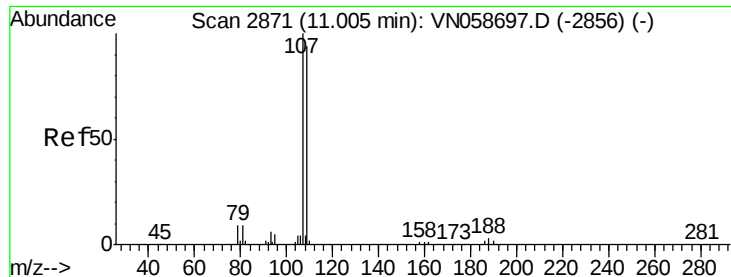
Tgt Ion: 129 Resp: 603379

Ion Ratio Lower Upper

129 100

127 77.0 38.5 115.3

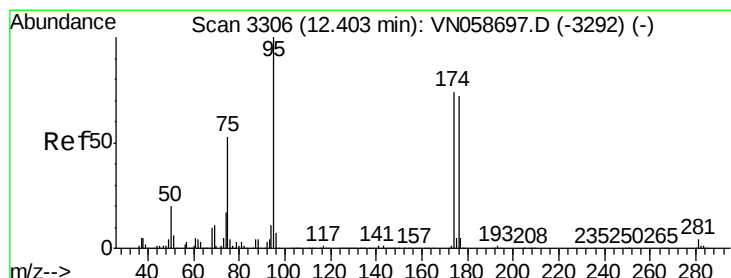
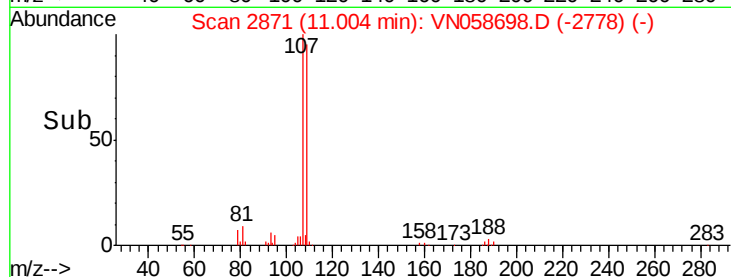
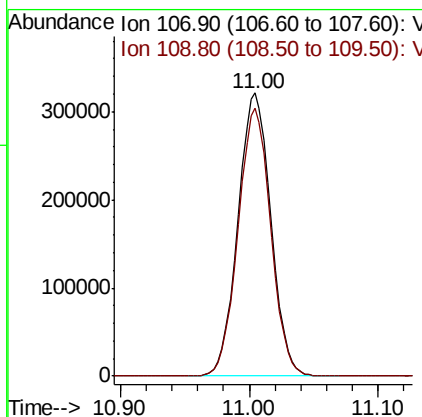
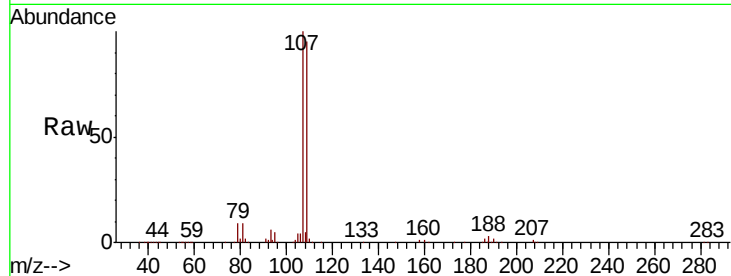




#61
 1,2-Dibromoethane
 Concen: 112.862 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

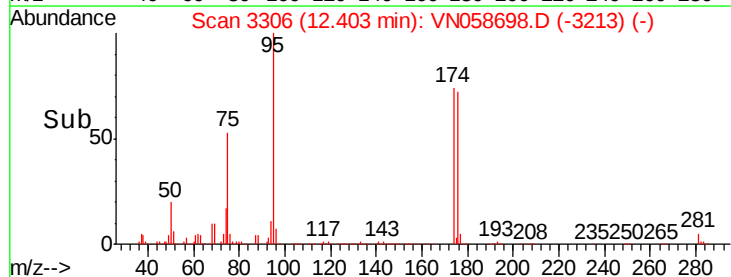
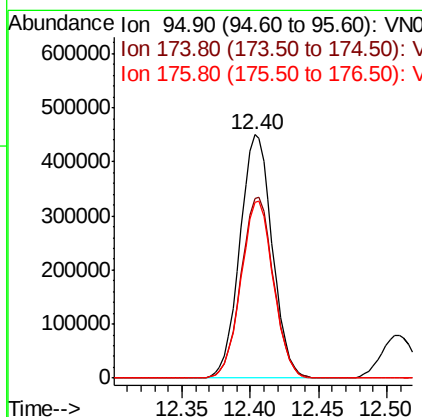
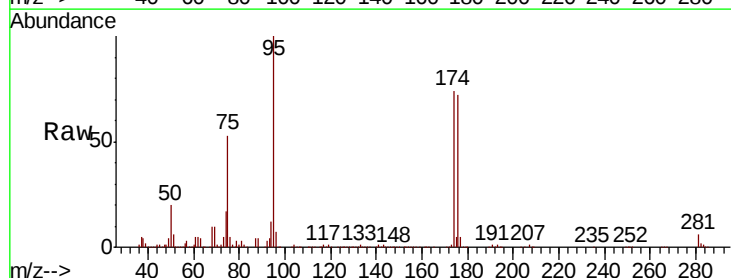
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

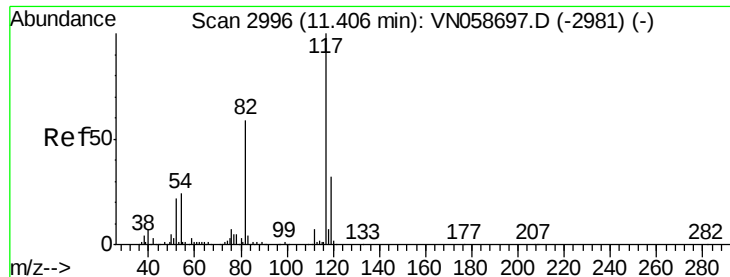
Tot Ion: 107 Resp: 569061
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 109.331 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion: 95 Resp: 741485
 Ion Ratio Lower Upper
 95 100
 174 74.7 0.0 150.4
 176 72.8 0.0 146.8

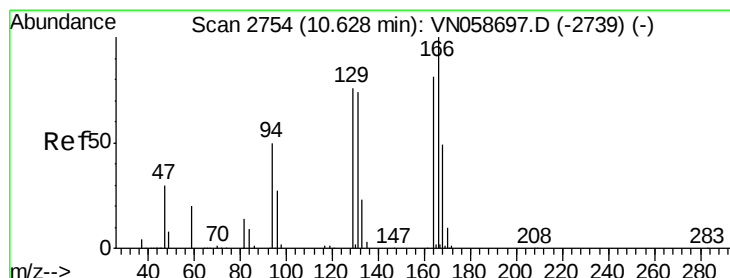
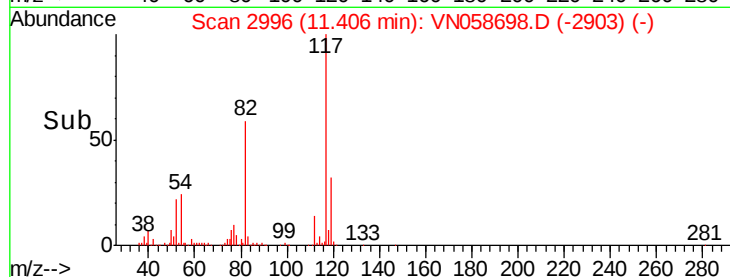
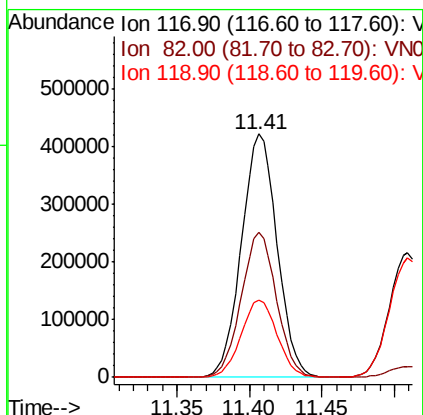
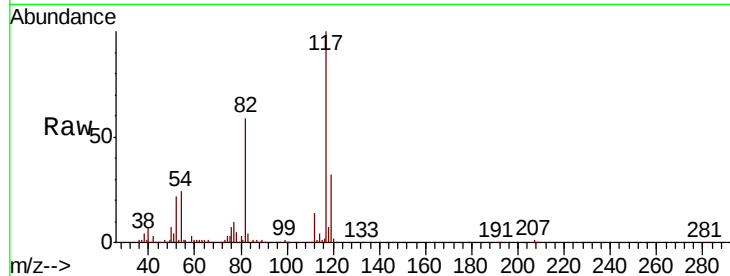




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

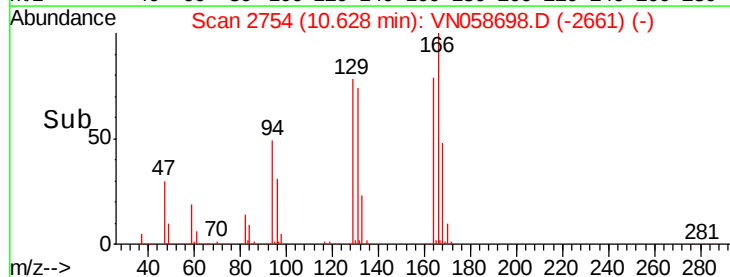
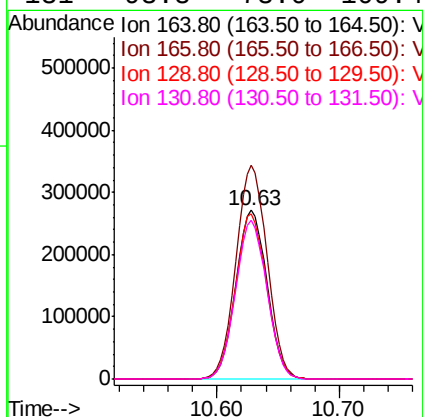
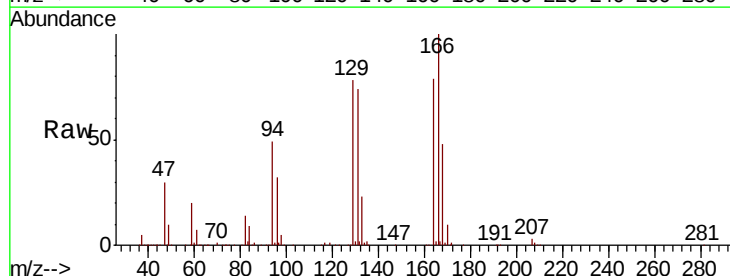
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 723401
Ion Ratio Lower Upper
117 100
82 59.4 47.0 70.4
119 31.7 25.4 38.2



#64
Tetrachloroethene
Concen: 103.313 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion:164 Resp: 480744
Ion Ratio Lower Upper
164 100
166 126.6 99.3 148.9
129 98.1 75.2 112.8
131 93.8 73.0 109.4





#65

Chlorobenzene

Concen: 101.332 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

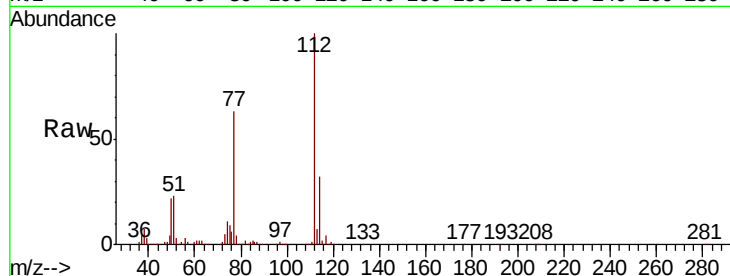
VSTDIC100

Tot Ion:112 Resp: 1458341

Ion Ratio Lower Upper

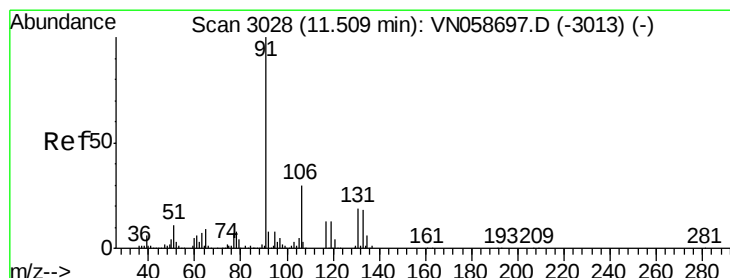
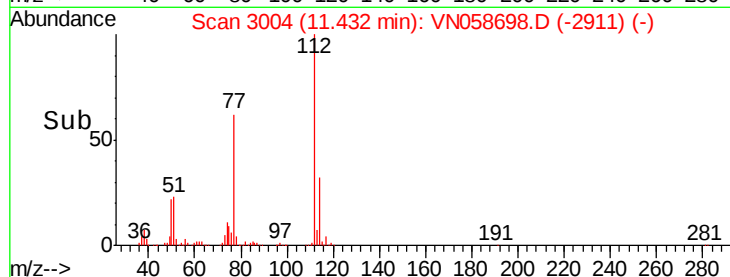
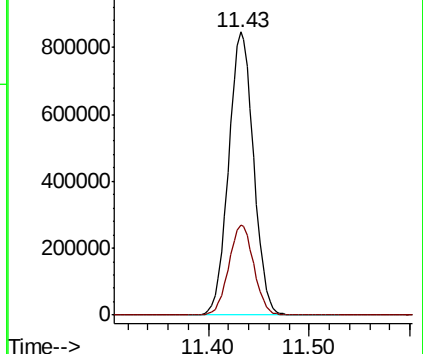
112 100

114 32.0 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: 110.880 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

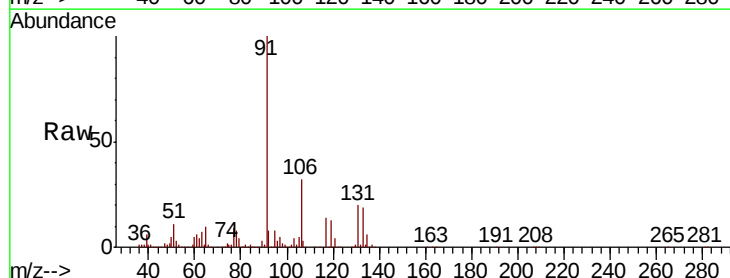
Tgt Ion:131 Resp: 543215

Ion Ratio Lower Upper

131 100

133 96.0 47.6 142.9

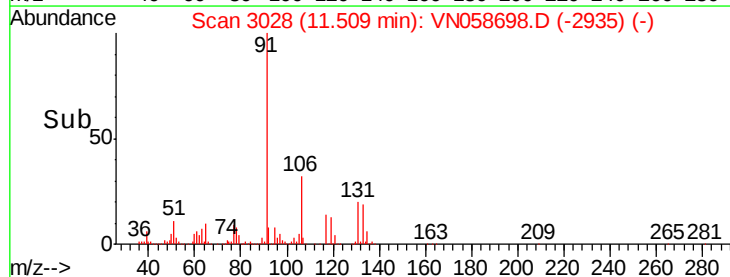
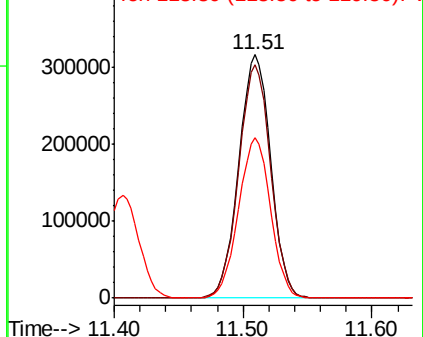
119 66.2 33.0 98.9

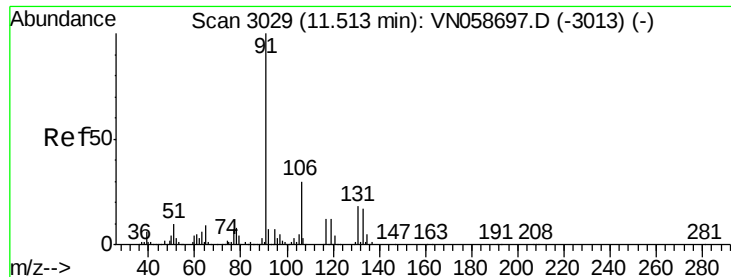


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

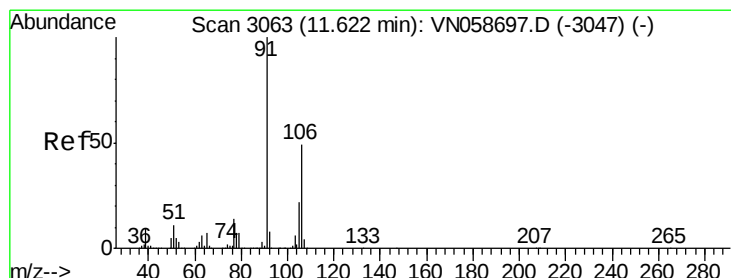
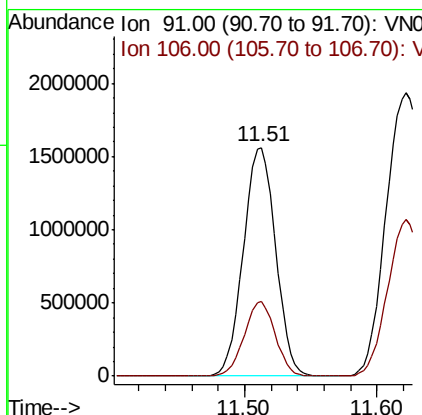
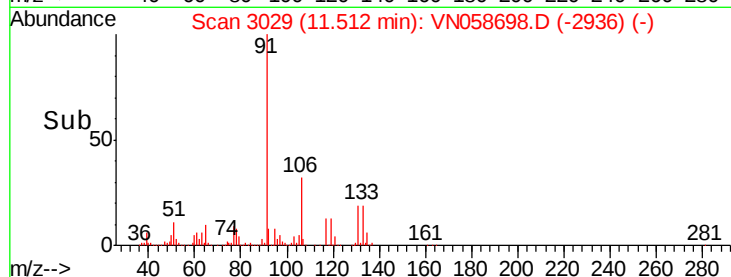
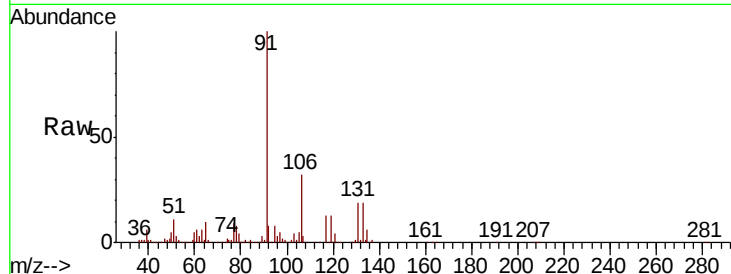




#67
Ethyl Benzene
Concen: 101.311 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

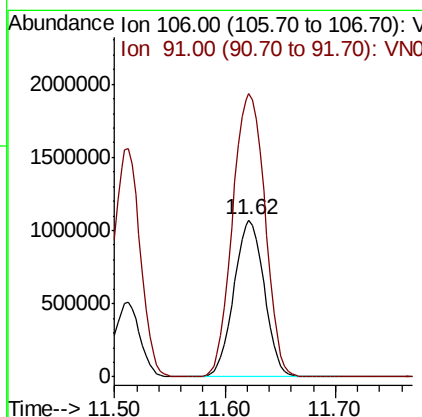
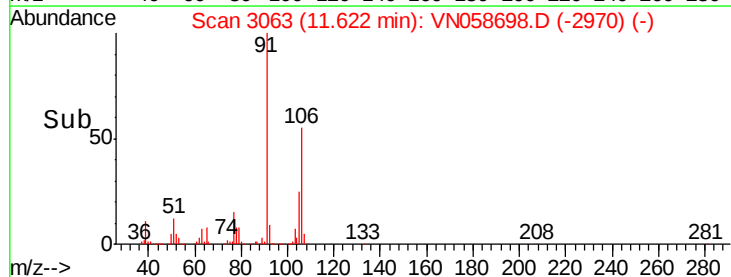
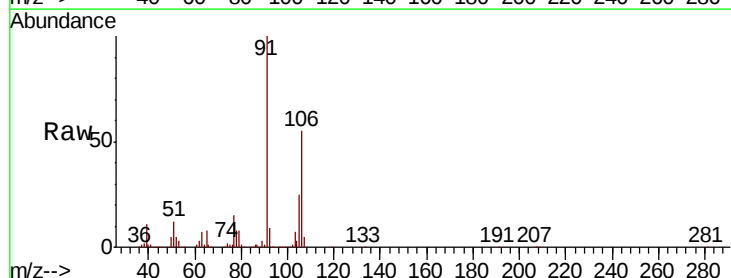
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2645104
Ion Ratio Lower Upper
91 100
106 32.5 24.1 36.1



#68
m/p-Xylenes
Concen: 207.410 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion: 106 Resp: 2037604
Ion Ratio Lower Upper
106 100
91 193.2 165.7 248.5

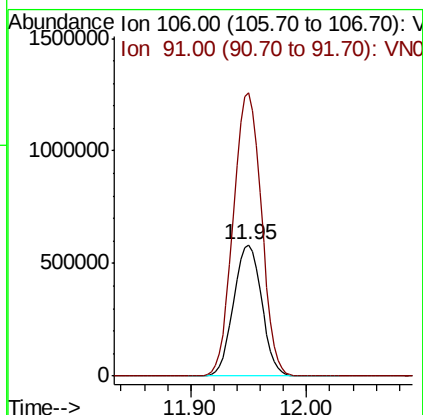
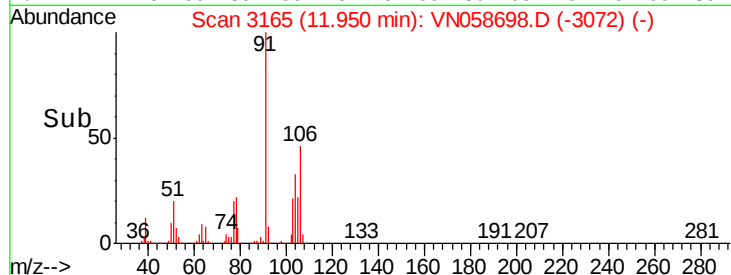
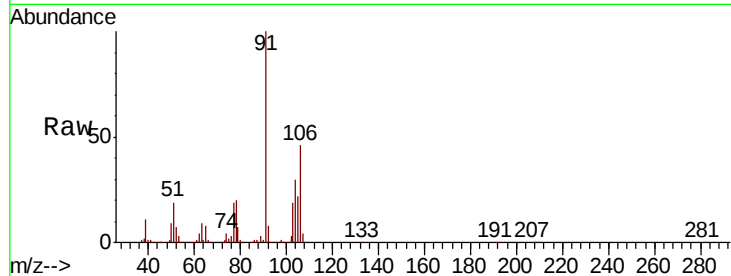




#69
o-Xylene
Concen: 103.537 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

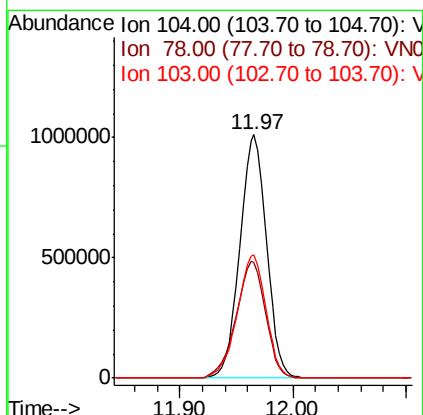
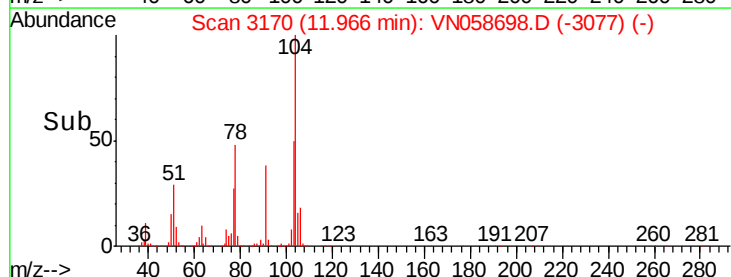
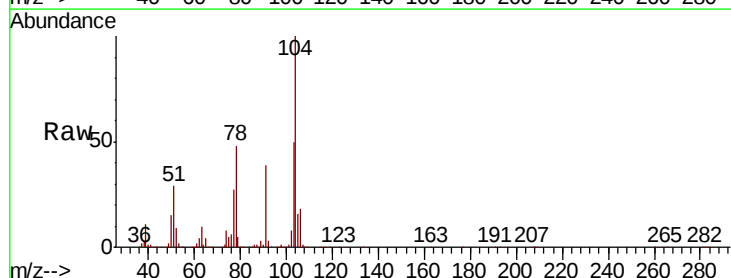
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

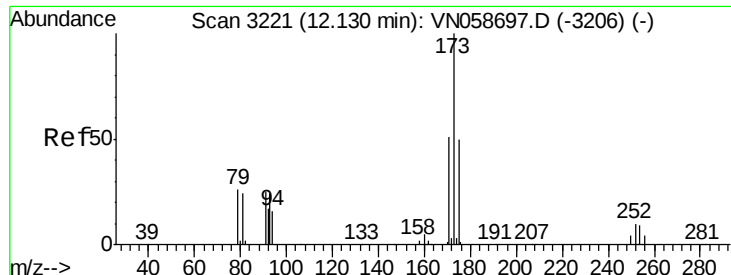
Tot Ion:106 Resp: 976368
Ion Ratio Lower Upper
106 100
91 216.5 110.9 332.9



#70
Styrene
Concen: 108.731 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion:104 Resp: 1665873
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.2
103 54.6 43.7 65.5





#71

Bromoform

Concen: 138.189 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

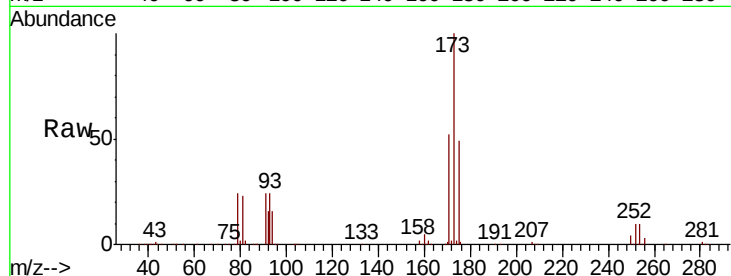
Tot Ion:173 Resp: 432995

Ion Ratio Lower Upper

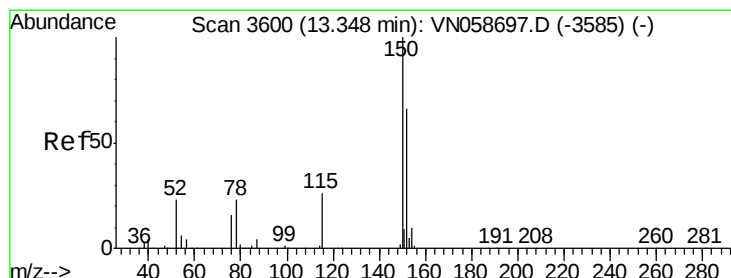
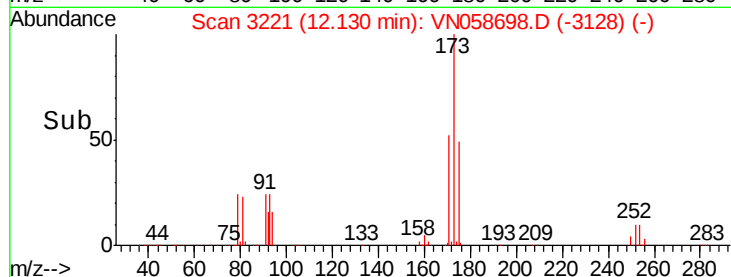
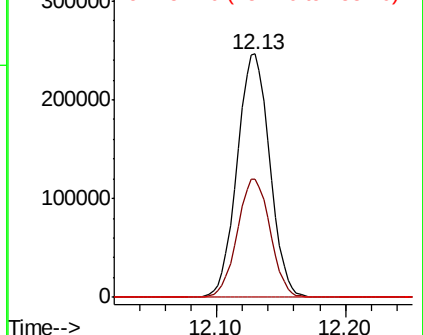
173 100

175 49.0 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: VN058698.D

Acq: 11 Oct 2019 12:58

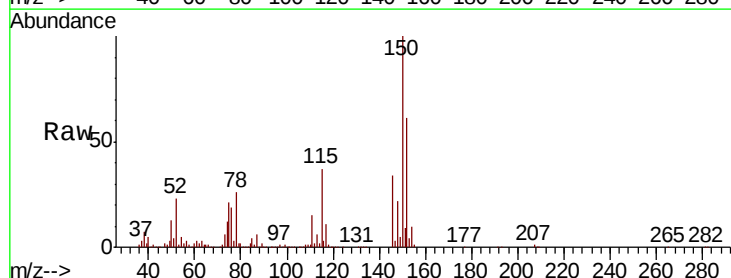
Tgt Ion:152 Resp: 368385

Ion Ratio Lower Upper

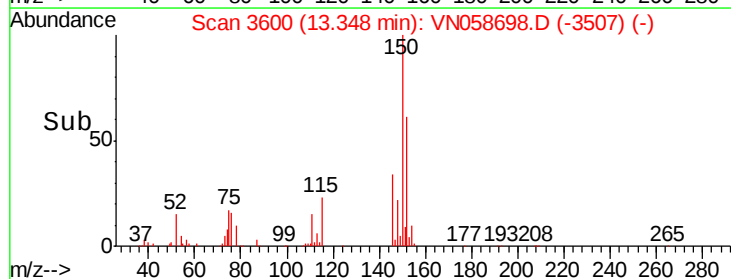
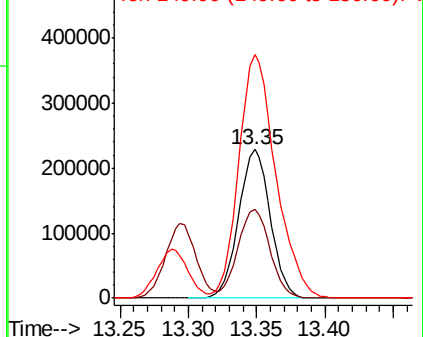
152 100

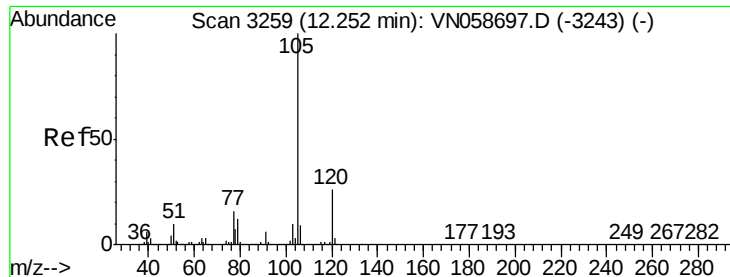
115 60.3 30.4 91.2

150 190.8 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: 96.431 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

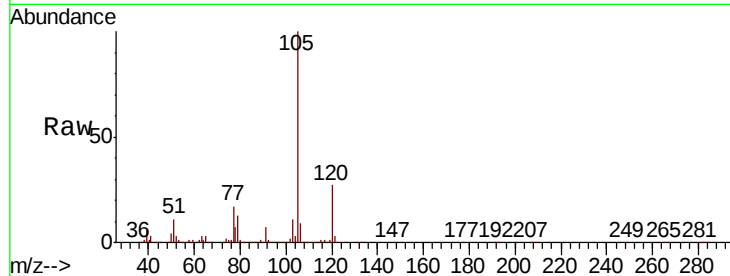
VSTDIC100

Tot Ion:105 Resp: 2612287

Ion Ratio Lower Upper

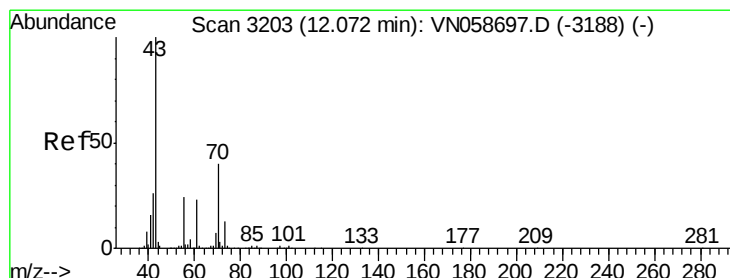
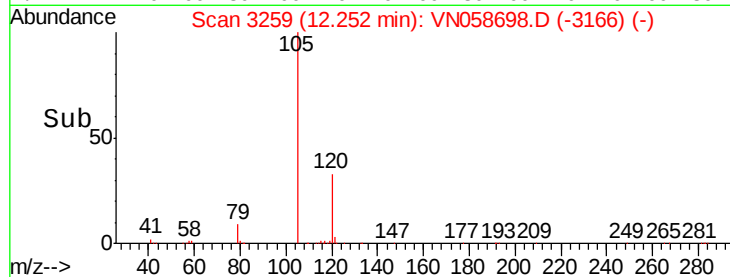
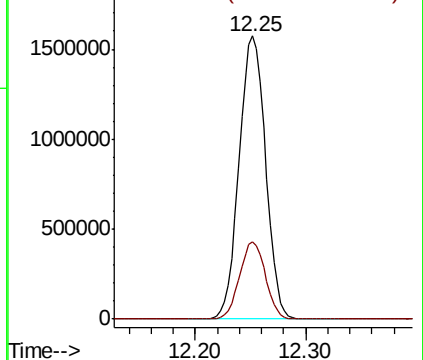
105 100

120 26.6 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: 114.607 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Tgt Ion: 43 Resp: 1259572

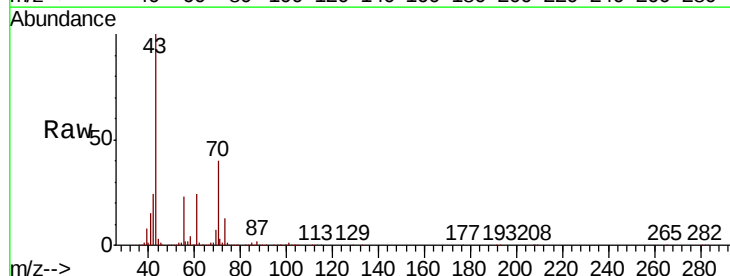
Ion Ratio Lower Upper

43 100

70 40.0 32.2 48.4

55 23.6 19.6 29.4

61 23.5 18.6 28.0

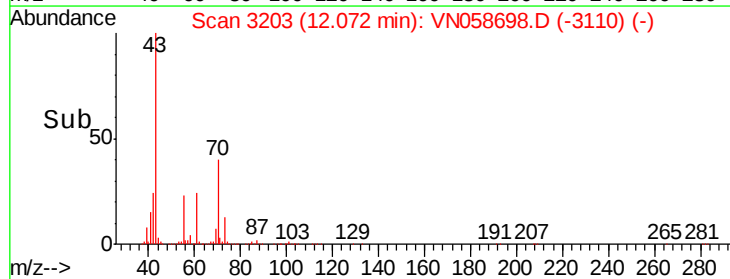
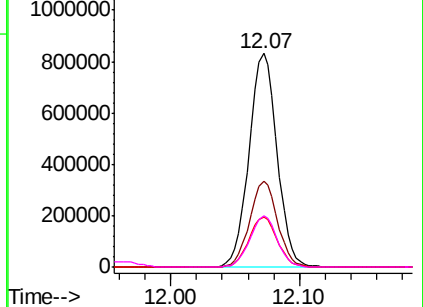


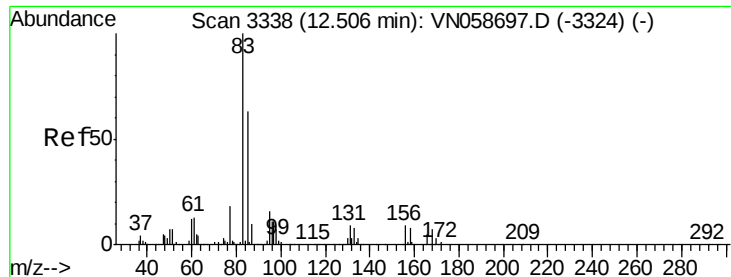
Abundance Ion 43.00 (42.70 to 43.70): V

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: 102.777 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

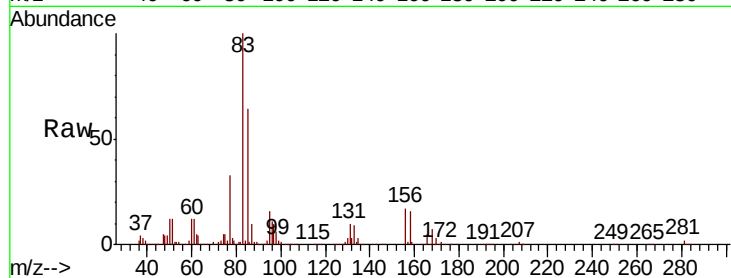
Tot Ion: 83 Resp: 838434

Ion Ratio Lower Upper

83 100

131 10.1 4.8 14.4

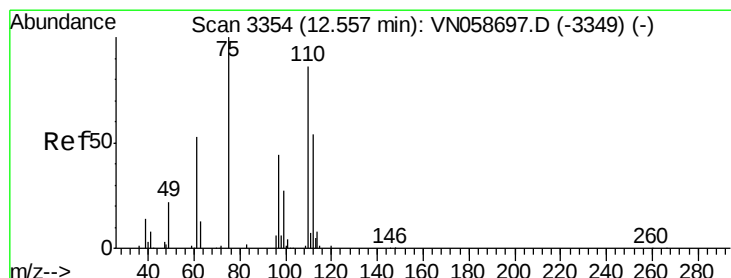
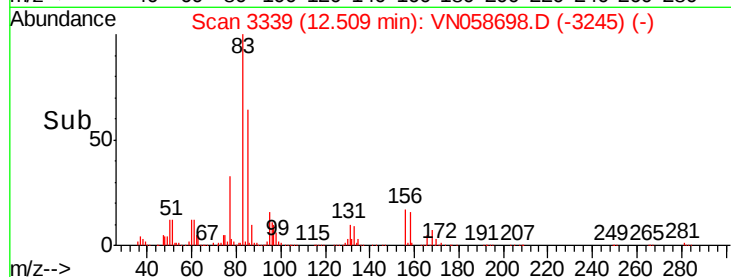
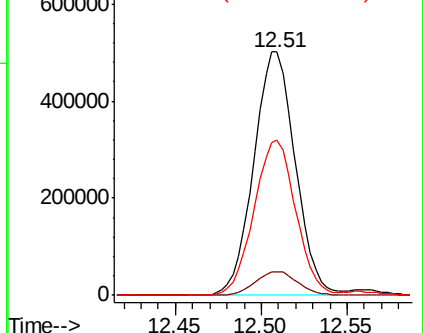
85 64.3 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN058698.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN058698.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN058698.D (-3338) (-)



#76

1,2,3-Trichloropropane

Concen: 169.212 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058698.D

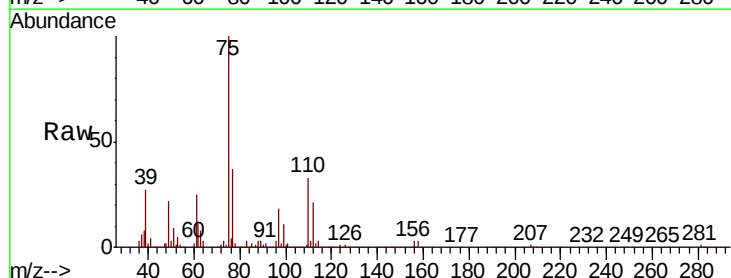
Acq: 11 Oct 2019 12:58

Tgt Ion: 75 Resp: 1160558

Ion Ratio Lower Upper

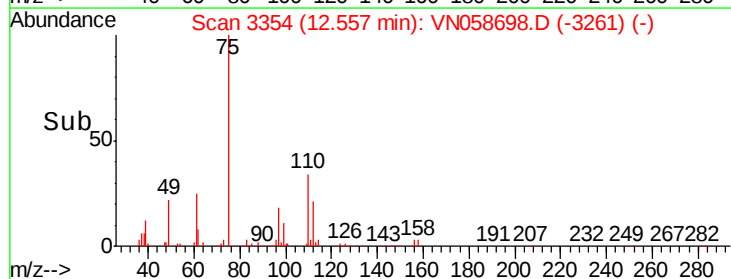
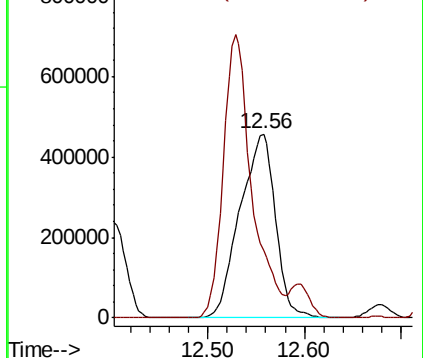
75 100

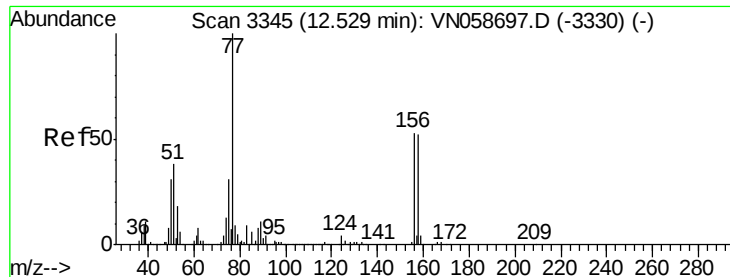
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058698.D (-3354) (-)

Ion 77.00 (76.70 to 77.70): VN058698.D (-3354) (-)





#77

Bromobenzene

Concen: 97.871 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

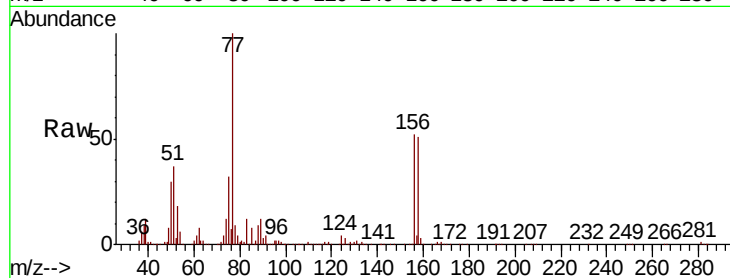
Tot Ion:156 Resp: 623678

Ion Ratio Lower Upper

156 100

77 231.8 115.8 347.3

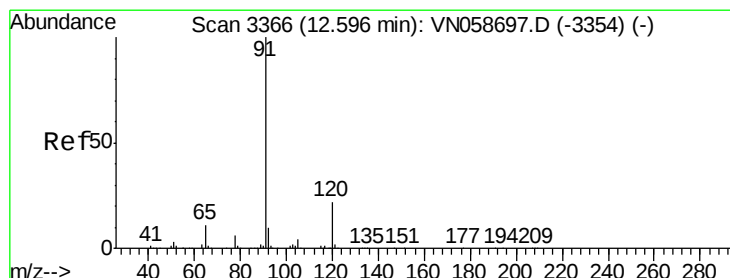
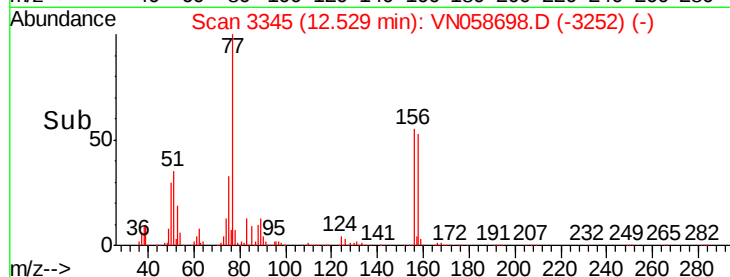
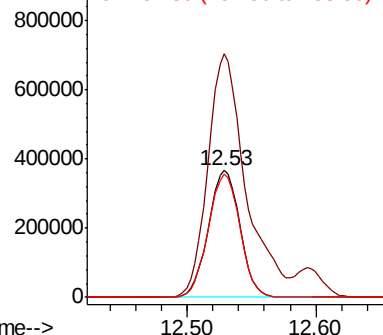
158 97.6 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 99.366 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058698.D

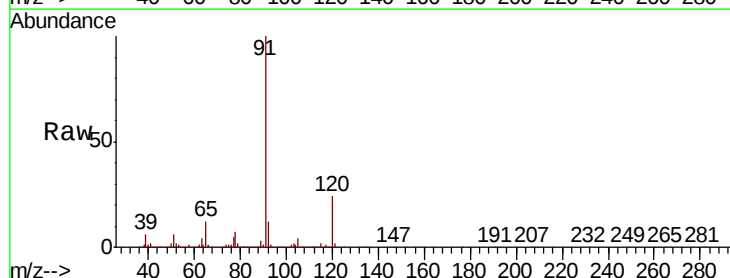
Acq: 11 Oct 2019 12:58

Tgt Ion: 91 Resp: 3045295

Ion Ratio Lower Upper

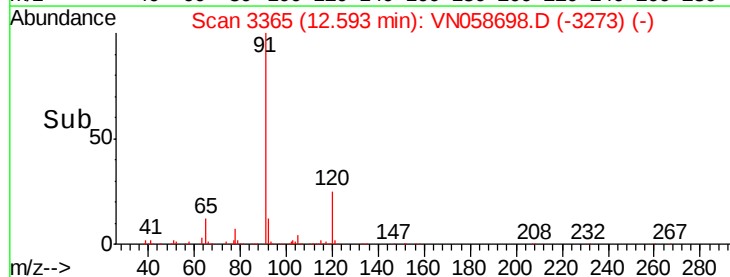
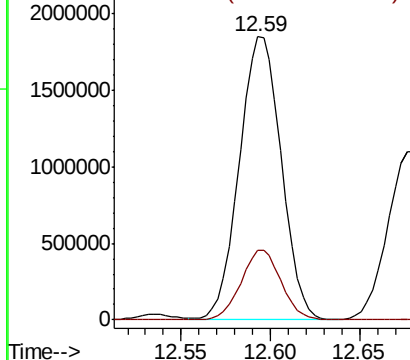
91 100

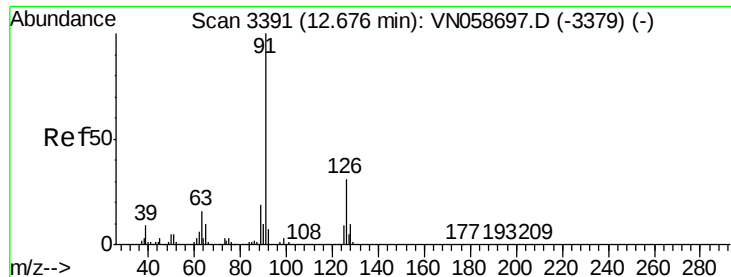
120 23.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

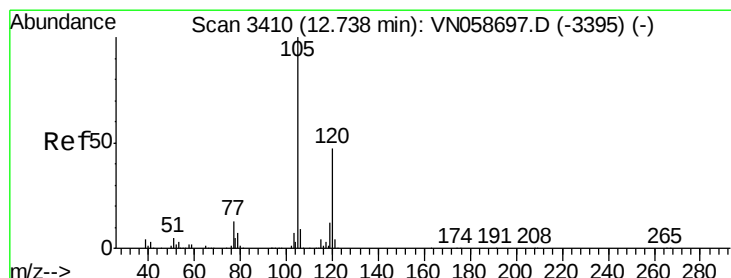
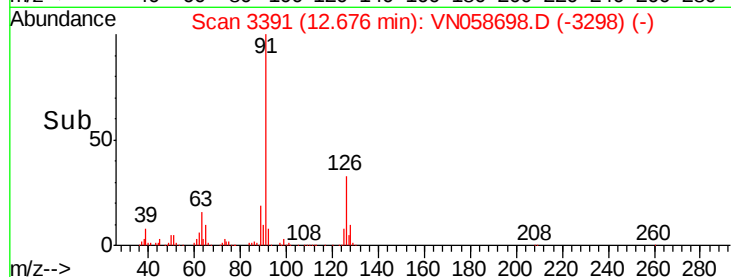
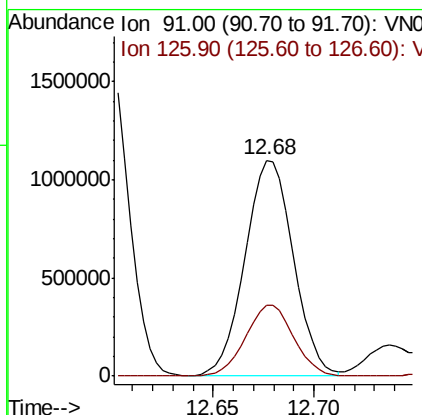
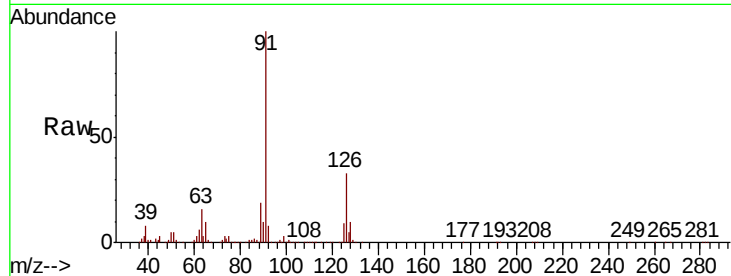




#79
2-Chlorotoluene
Concen: 97.838 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

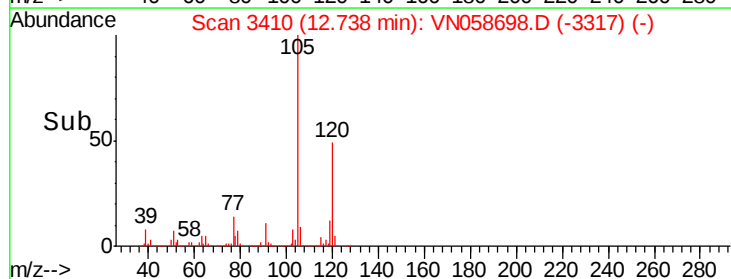
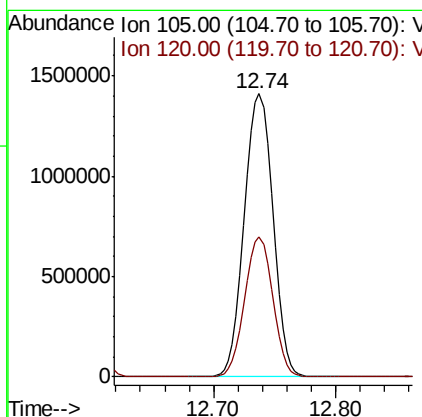
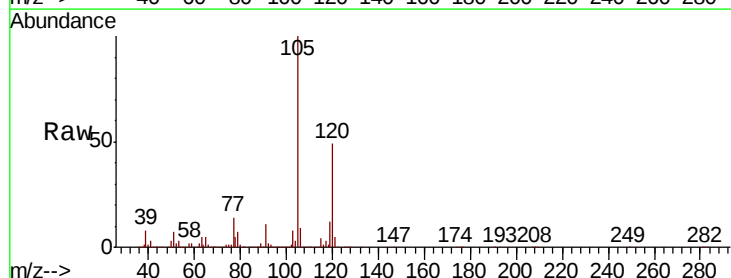
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

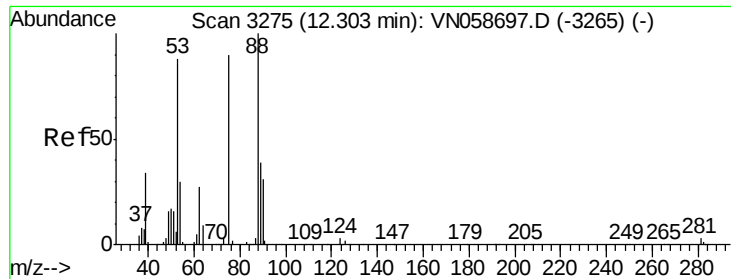
Tot Ion: 91 Resp: 1849087
Ion Ratio Lower Upper
91 100
126 32.7 16.2 48.5



#80
1,3,5-Trimethylbenzene
Concen: 100.223 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion:105 Resp: 2279589
Ion Ratio Lower Upper
105 100
120 48.4 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 134.150 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

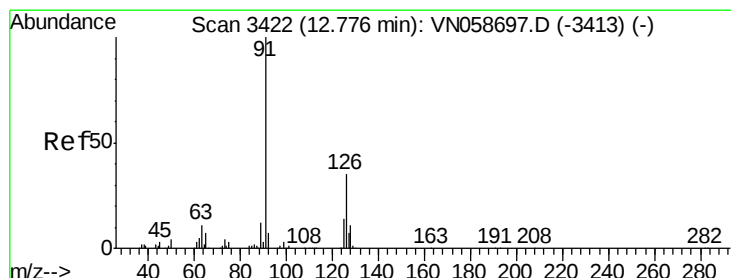
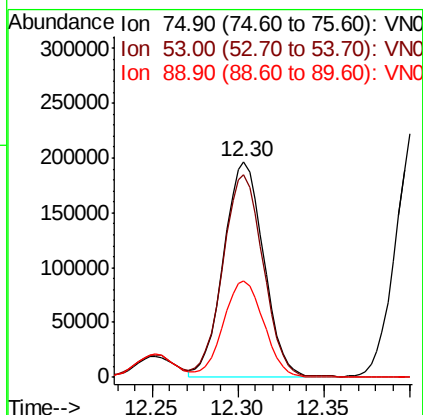
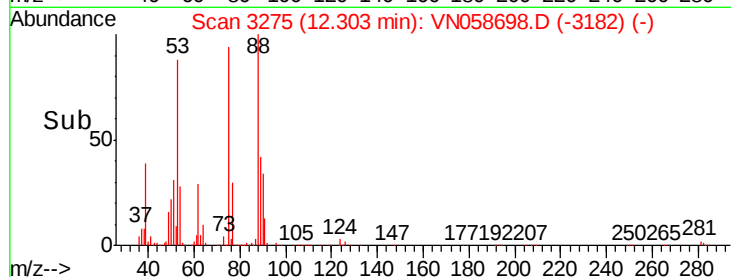
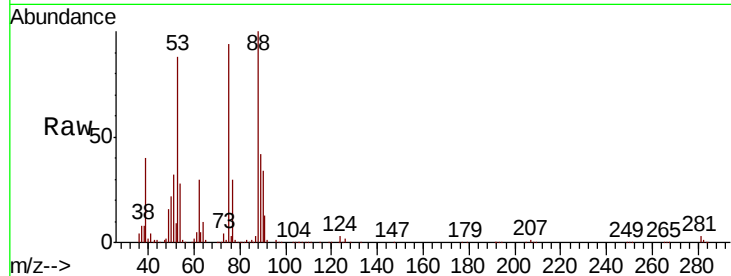
Tot Ion: 75 Resp: 315374

Ion Ratio Lower Upper

75 100

53 96.1 78.4 117.6

89 45.3 34.9 52.3



#82

4-Chlorotoluene

Concen: 100.452 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058698.D

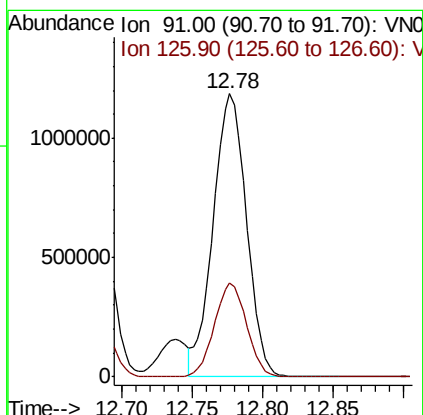
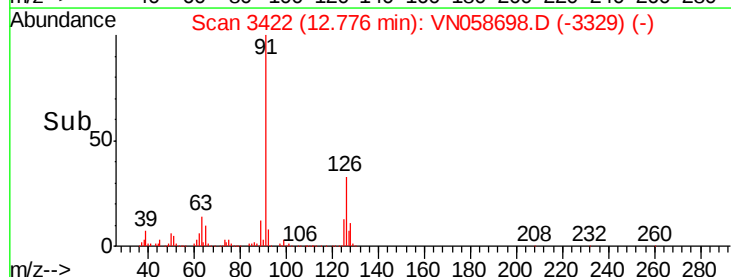
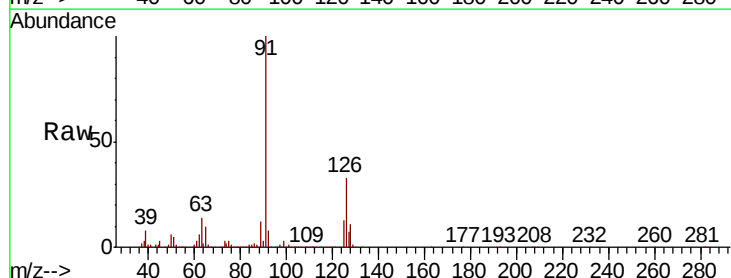
Acq: 11 Oct 2019 12:58

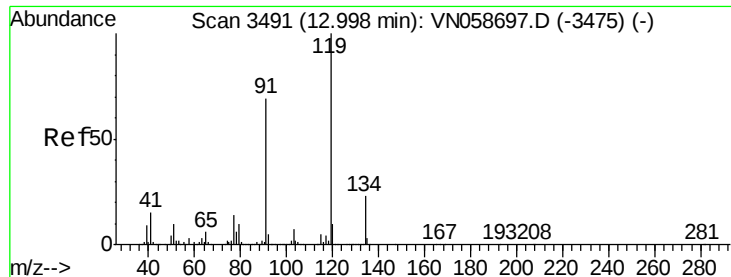
Tgt Ion: 91 Resp: 1942203

Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.6





#83

tert-Butylbenzene

Concen: 101.027 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

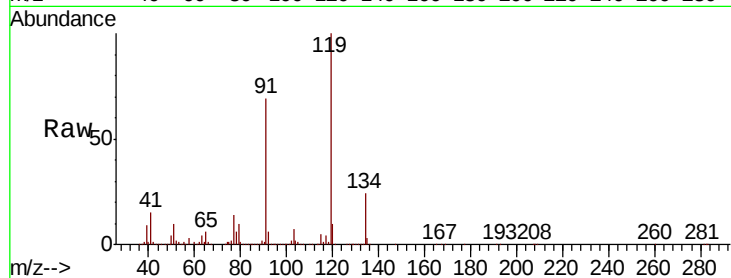
Tot Ion:119 Resp: 1939141

Ion Ratio Lower Upper

119 100

91 67.4 33.8 101.3

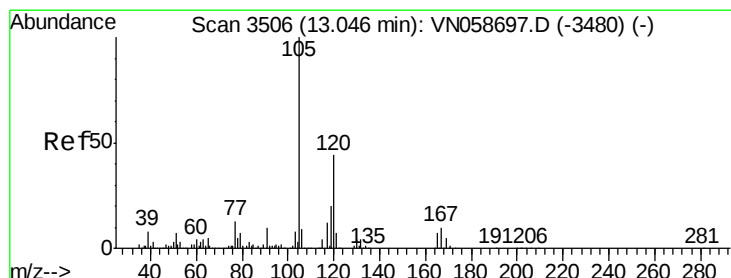
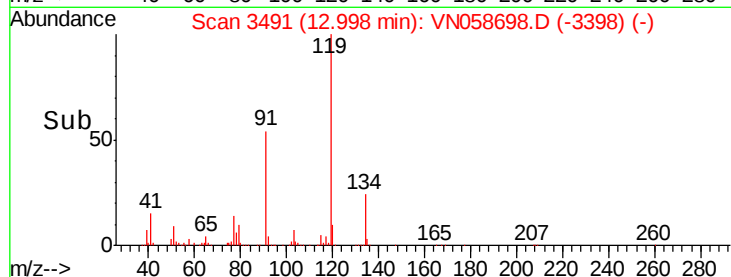
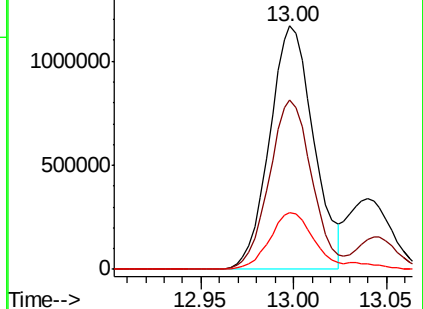
134 25.2 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 99.842 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN058698.D

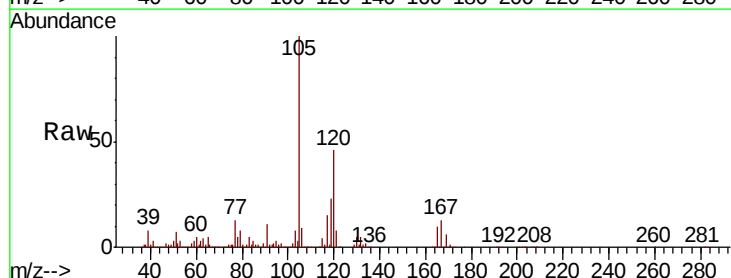
Acq: 11 Oct 2019 12:58

Tgt Ion:105 Resp: 2275127

Ion Ratio Lower Upper

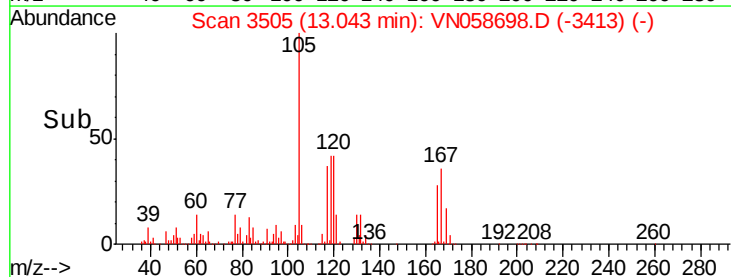
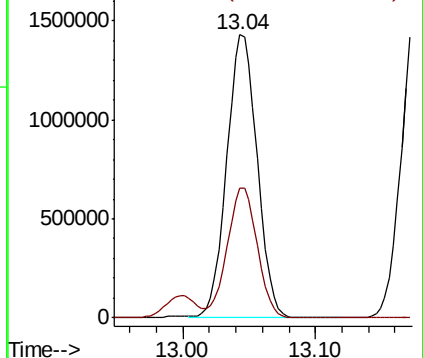
105 100

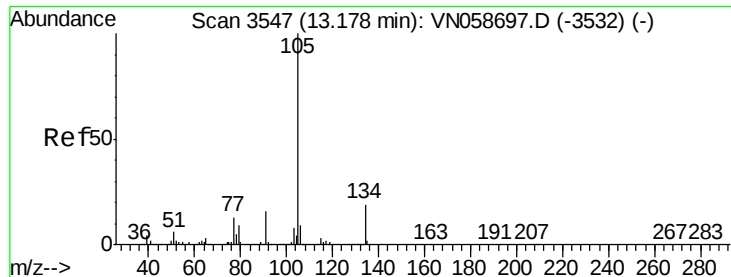
120 45.3 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 101.929 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

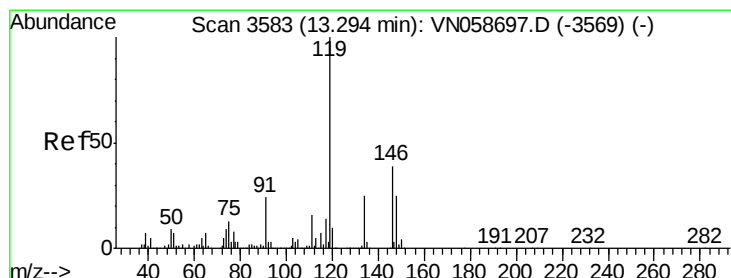
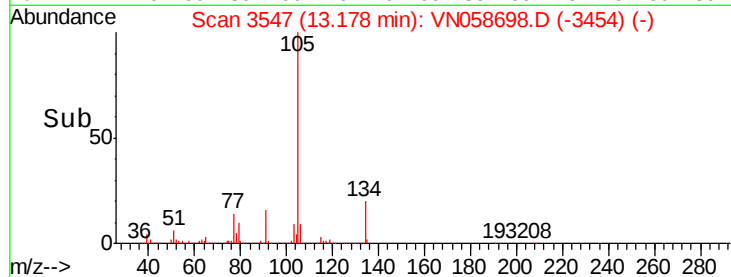
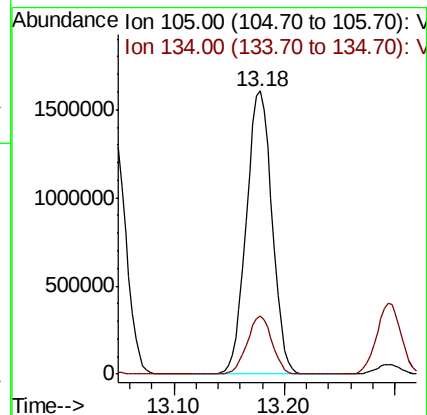
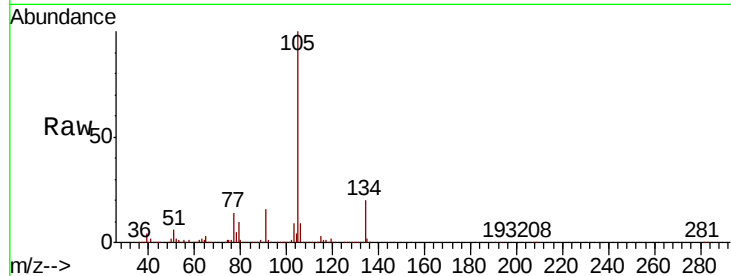
VSTDIC100

Tot Ion:105 Resp: 2583649

Ion Ratio Lower Upper

105 100

134 19.9 9.7 29.1



#86

p-Isopropyltoluene

Concen: 106.265 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

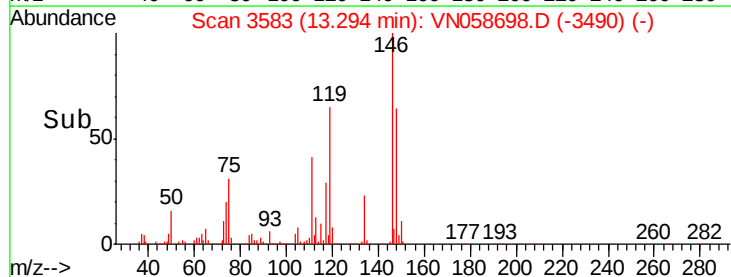
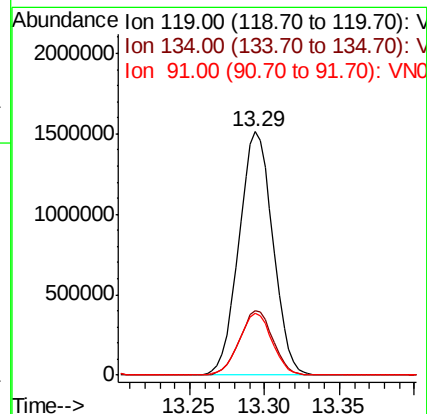
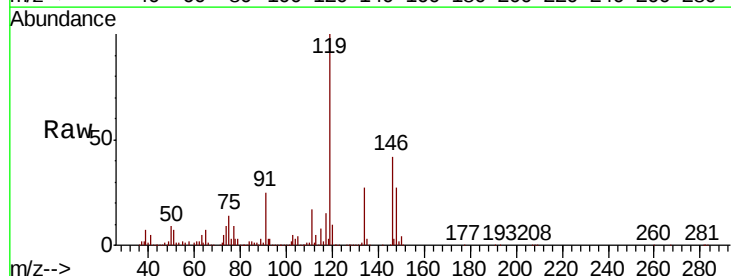
Tgt Ion:119 Resp: 2381614

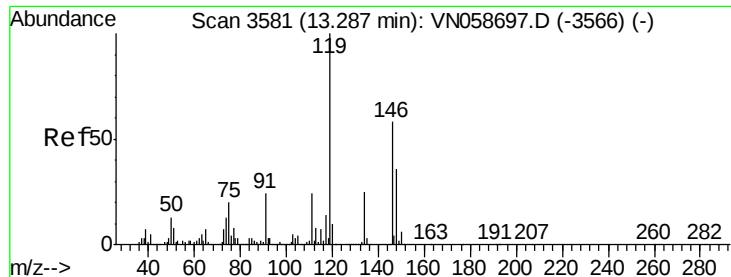
Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

91 24.7 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 100.587 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

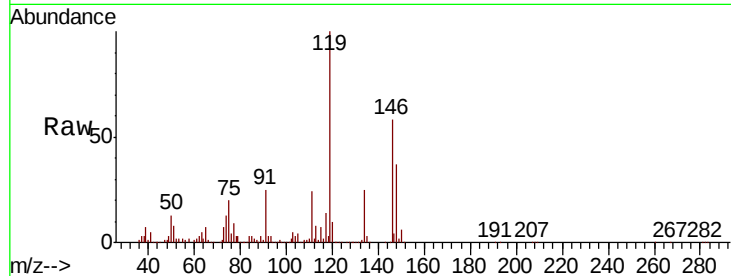
Tot Ion:146 Resp: 1166548

Ion Ratio Lower Upper

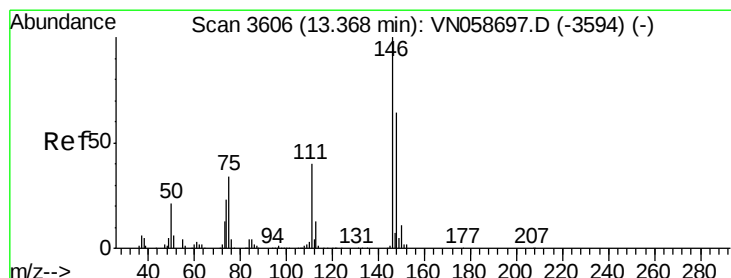
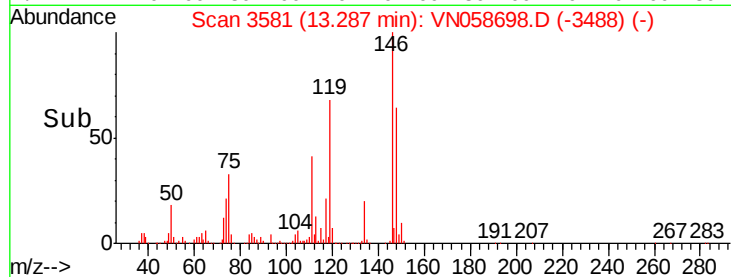
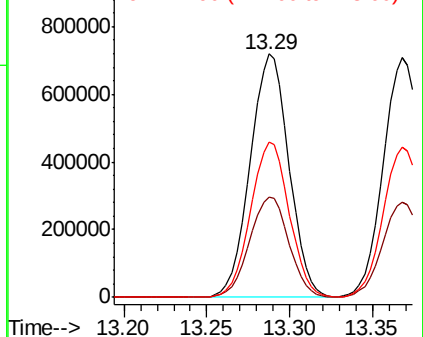
146 100

111 41.7 20.5 61.6

148 63.7 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: 101.366 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

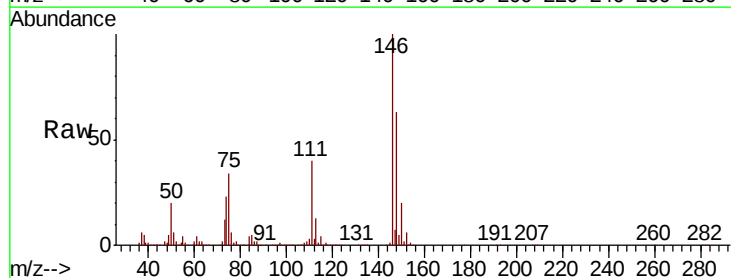
Tgt Ion:146 Resp: 1167616

Ion Ratio Lower Upper

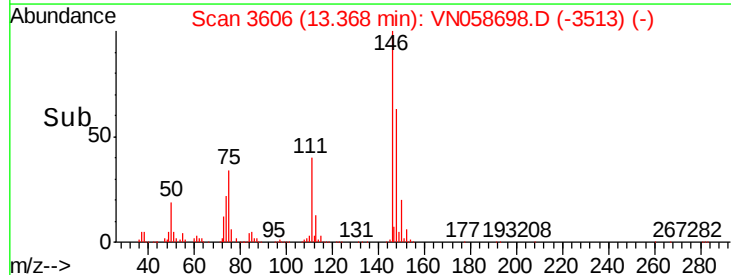
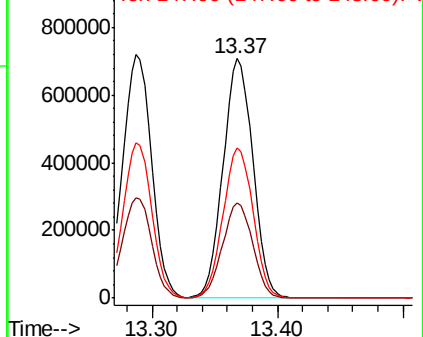
146 100

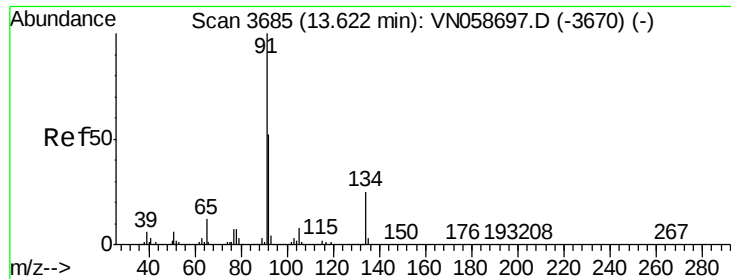
111 40.1 20.1 60.2

148 63.1 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: 109.245 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058698.D

Acq: 11 Oct 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

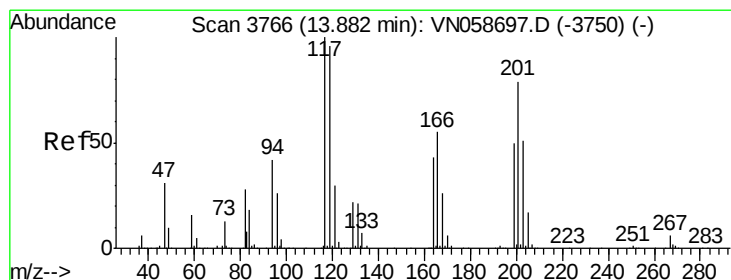
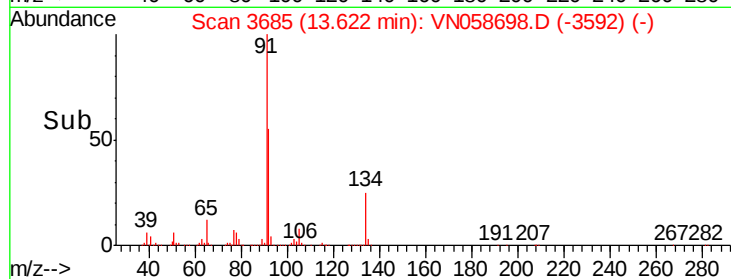
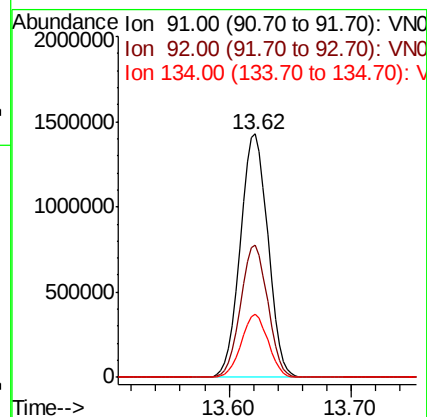
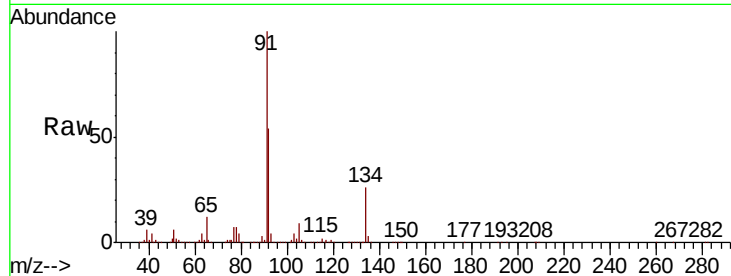
Tot Ion: 91 Resp: 2231279

Ion Ratio Lower Upper

91 100

92 53.5 26.0 78.0

134 25.2 12.2 36.6



#90

Hexachloroethane

Concen: 125.280 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058698.D

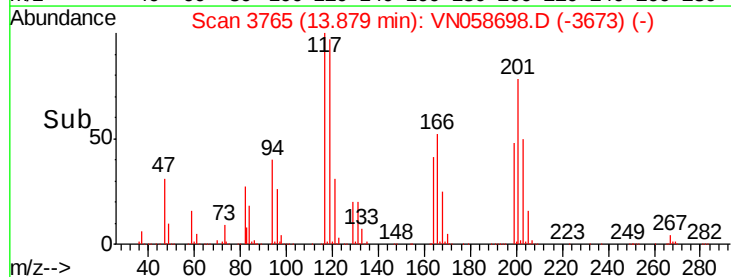
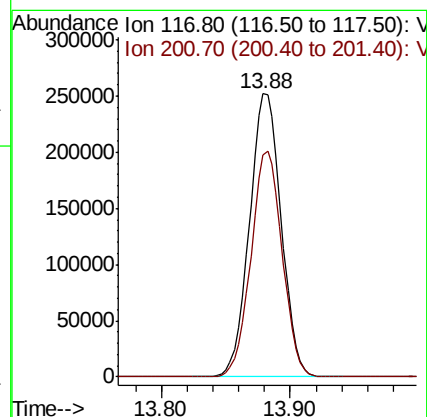
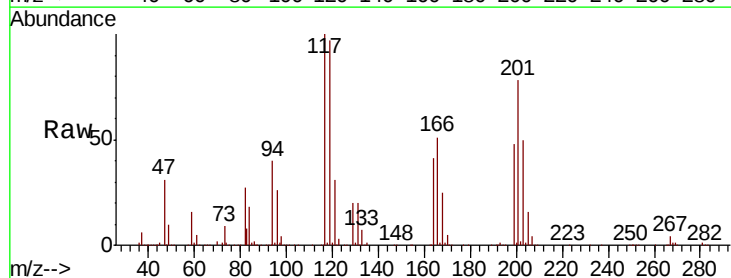
Acq: 11 Oct 2019 12:58

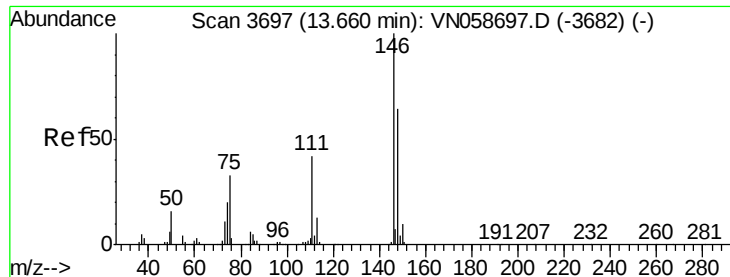
Tgt Ion: 117 Resp: 431459

Ion Ratio Lower Upper

117 100

201 78.6 39.6 118.7



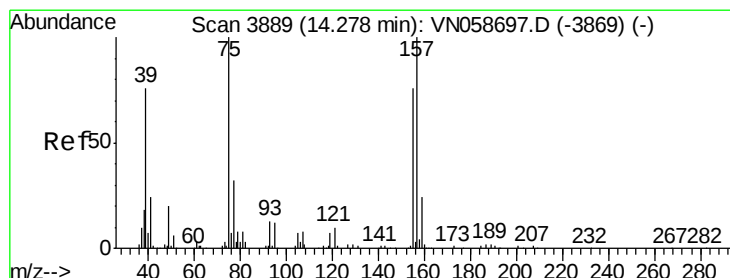
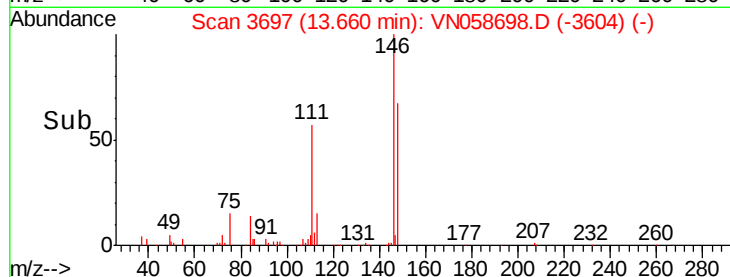
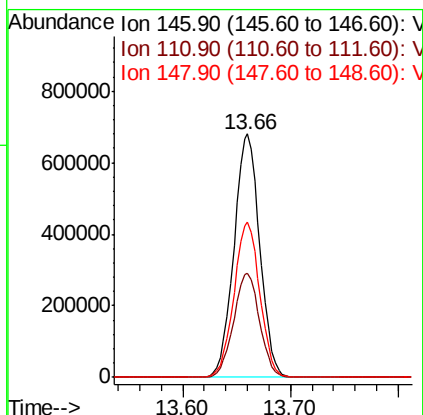
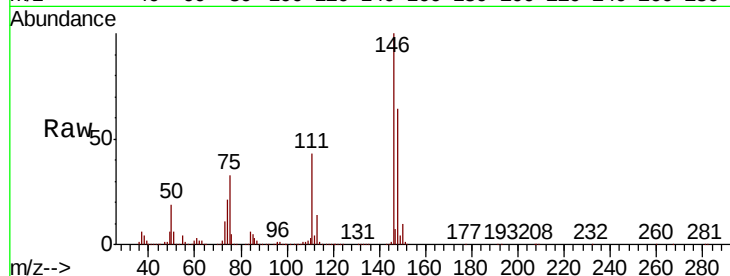


#91
 1,2-Dichlorobenzene
 Concen: 101.303 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1130708

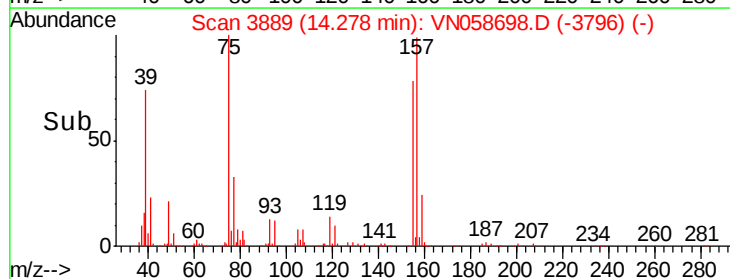
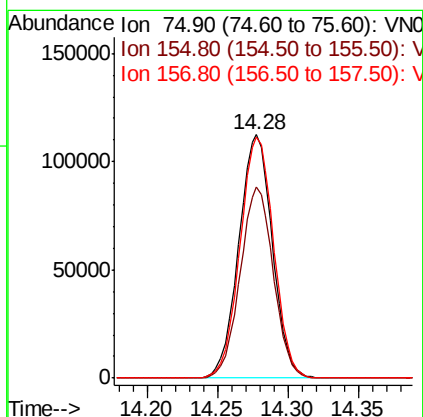
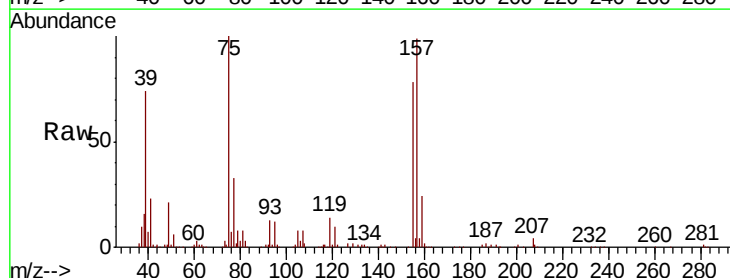
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.1	63.4
148	63.9	31.8	95.3

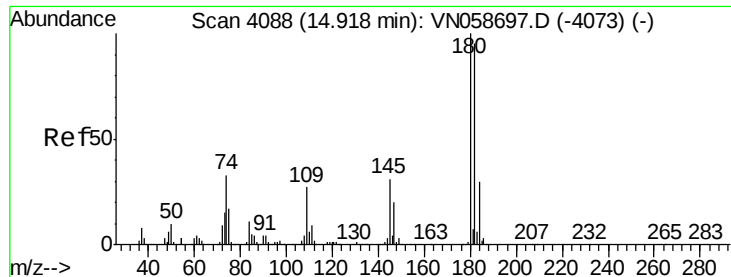


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 125.657 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion: 75 Resp: 186635

Ion	Ratio	Lower	Upper
75	100		
155	78.0	37.9	113.6
157	99.6	49.4	148.2

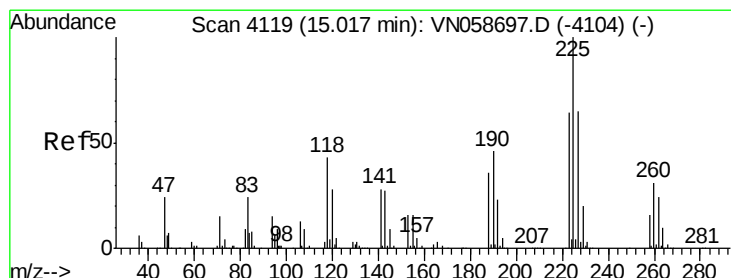
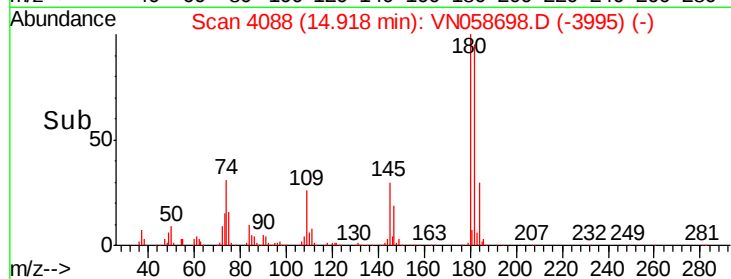
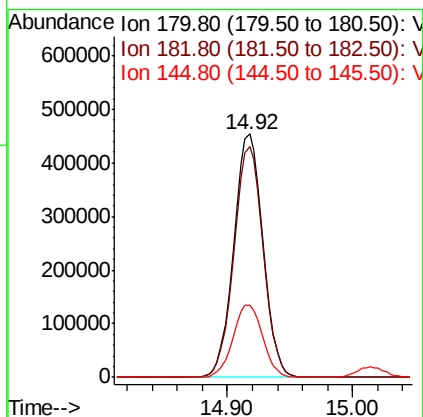
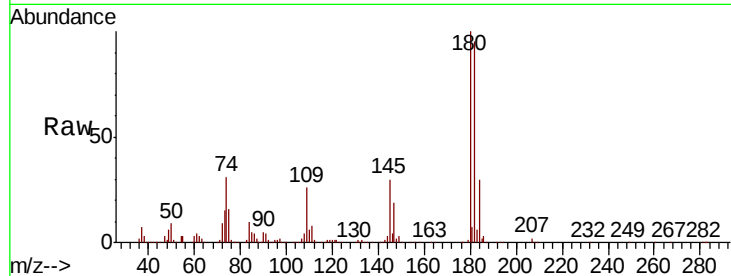




#93
 1,2,4-Trichlorobenzene
 Concen: 117.684 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

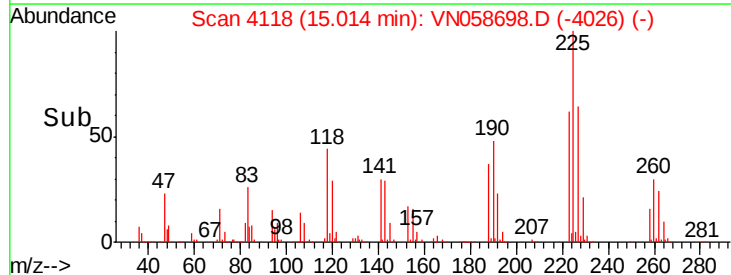
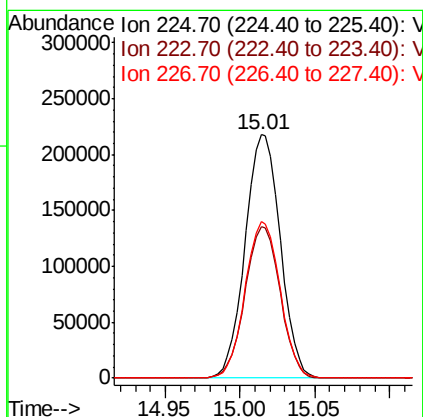
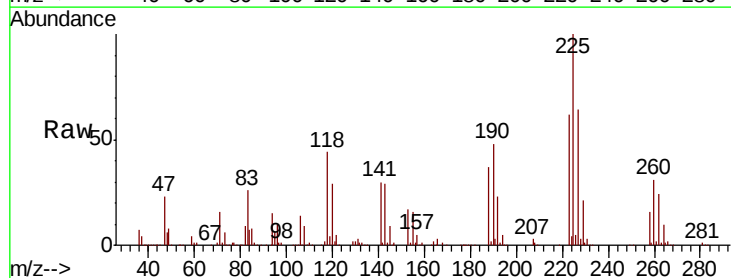
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

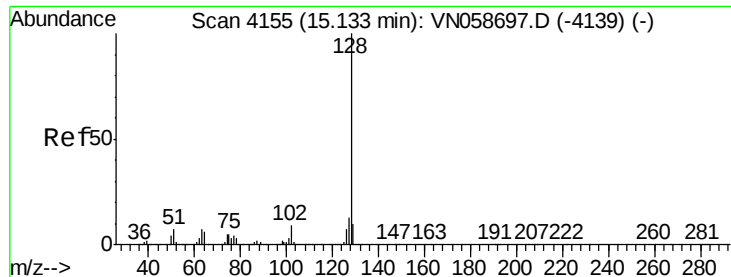
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	30.3	15.4	46.2



#94
 Hexachlorobutadiene
 Concen: 110.029 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058698.D
 Acq: 11 Oct 2019 12:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.3	96.8
227	64.0	32.4	97.0

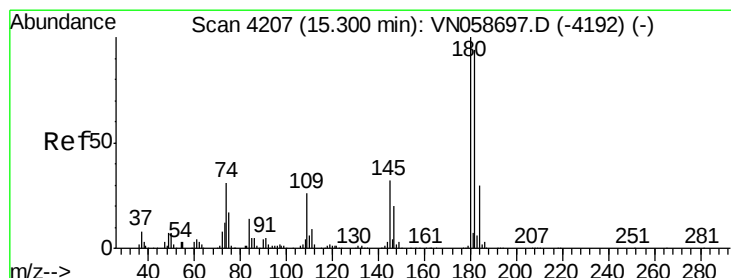
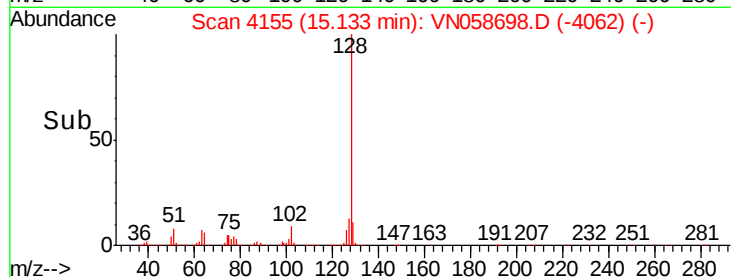
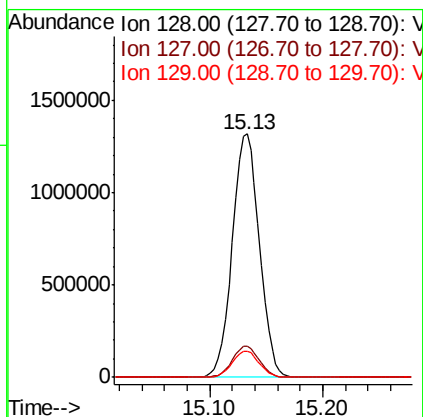
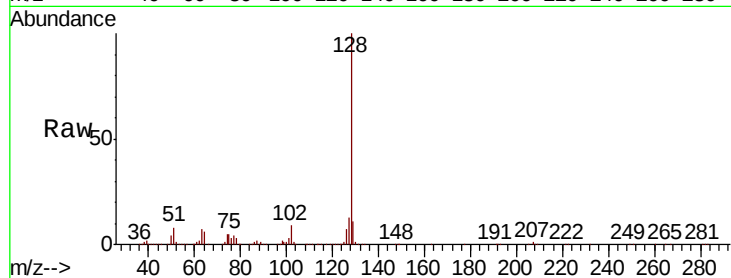




#95
Naphthalene
Concen: 132.709 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 2187569
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 123.296 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058698.D
Acq: 11 Oct 2019 12:58

Tgt Ion:180 Resp: 702178
Ion Ratio Lower Upper
180 100
182 95.7 47.3 142.0
145 32.1 16.2 48.6

